ADAPTER TECHNOLOGY CO., LTD.

ADAPTER
TECHNOLOGY

GaN FET Power Supply
Switching Adapter
Medical Power Supply
Defense Power Supply
Open Frame Power Supply
Custom-Design

http://www.adaptertech.com.tw

ADAPTER
TECHNOLOGY

Background :

Adapter Technology Co., Ltd. was founded in 2001 and it has become a promising and growing enterprise with design ability in the Power Supply Manufacturing industry. We dedicate to providing reliable quality, flexible service and upgrading technology to meet customer's request. Our product line covers I.T.E., medical, industrial applications, and chargers. With strong R&D team's support, we can custom design according to each different specification and provide the best solution to customers.

History :

2001 Established Adapter Technology Co., Ltd. in Taipei, Taiwan
2003 LITEON IT Approved Vender
2004 Implement RoHS and Green Products
2005 Microsoft Approved Vender
2008 Established factory in Dongguan Guang Dong, China
2009 Acquired ISO 9001 certification,ISO 14001 certification, and Sony SPP
2010 Acquired OHSAS 18001
2012 Medical Grade 30W-200W series launched
2013 PSU for Pachinko Slot-Machine Industry in Japan
2014 Capital Increased to USD 5 Million
2015 External Power Adapter Line Meet Level VI Efficiency: 5W-300W
2016 I.T.E. External Power Adapter Meet CoC Tier 2 Efficiency: 5W-300W
2016 Medical Grade Power Adapter Meet Level VI Efficiency: 6W-300W
2017 Acquired ISO 13485 for Medical Device Quality Management System
2018 I.T.E. External Power Adapter Acquired IEC/EN/UL 62368-1 Approval
2019 GaN Adapter Development 90W-300W
2021 GaN Adapter Series Launched/Established New EMI/Surge Chamber
2022 New series AC adapter from 90W-450W Acquired IEC/EN/UL 62368-1 3rd edition approval
2023 Medical 45W, 65W, and 100W AC Changeable P.D. Adapter / 1KW Power Supply Launched
2024 DC-DC Converter for Low-Orbit Satellite / 1.4KW Power Supply for UPS Charger Development
2025 Medical 600W AC Adapter / 5"x8" 750W Open Frame Power Supply Launched

Products :

1. Switching Power Adapter
2. GaN FET Power Supply
3. Open Frame Switching Power Supply
4. Medical Power Supply
5. Defense Power Supply
6. Custom Design

I.T.E. POWER SUPPLY

03 5W Series
04 12W Series (Wall Mount/Interchangeable/USB connector)
06 12W Small Size Series
07 18W Series (Wall Mount/Interchangeable/Desktop)
09 24W Series (Wall Mount/Interchangeable/Desktop)
11 36W Series (Wall Mount/Interchangeable/Desktop)
13 40W Series
14 50W Series
15 65W Series
16 65W Series
17 65W Series
18 90W Series
19 120W Series
20 160W Series
21 200W Series
22 240W Series
23 300W Series
24 600W Series NEW

P.D. TYPE-C SERIES POWER SUPPLY

25 45W / 65W Series (Desktop)
26 45W / 65W Series (Wall Mount/Interchangeable)
27 100W Series

GaN FET POWER SUPPLY

28 120W I.T.E. Series
29 160W I.T.E. Series
30 200W I.T.E. Series
31 200W Medical Series
32 250W I.T.E. / Medical Series
33 270W I.T.E. Series
34 300W I.T.E. / Medical Series
35 450W I.T.E. / Medical Series

MEDICAL POWER SUPPLY

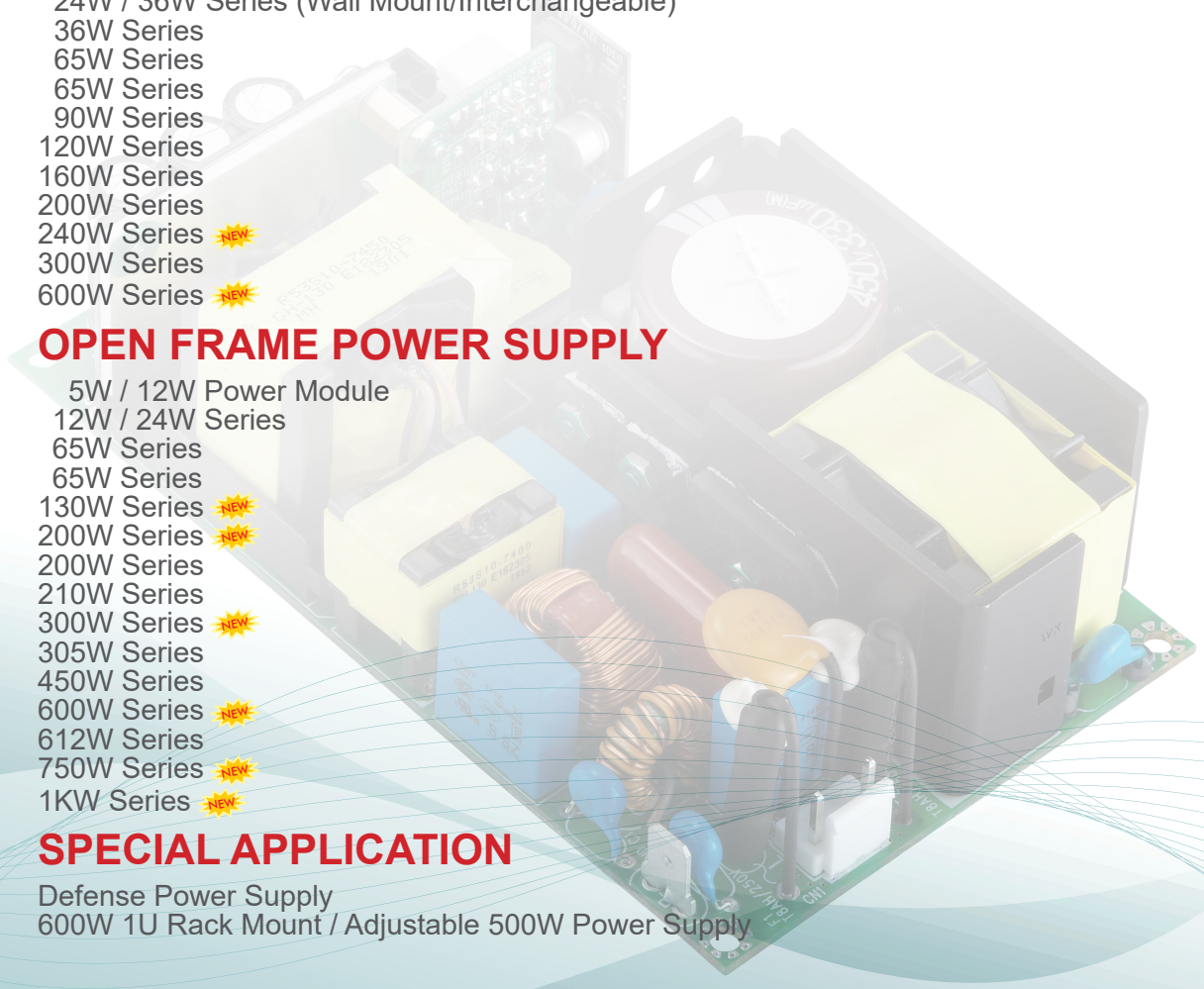
36 6W Series
37 12W Series (Wall Mount/Interchangeable/USB connector)
38 24W / 36W Series (Wall Mount/Interchangeable)
39 36W Series
40 65W Series
41 65W Series
42 90W Series
43 120W Series
44 160W Series
45 200W Series
46 240W Series NEW
47 300W Series
48 600W Series NEW

OPEN FRAME POWER SUPPLY

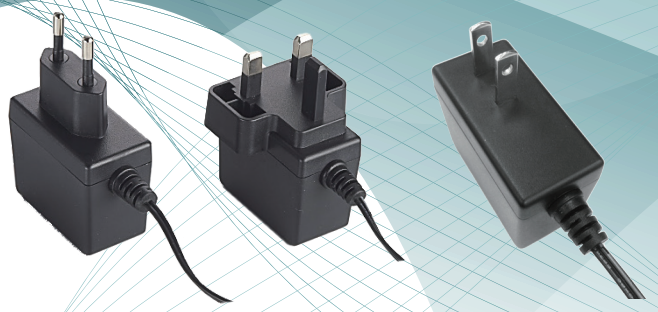
49 5W / 12W Power Module
50 12W / 24W Series
51 65W Series
52 65W Series
53 130W Series NEW
54 200W Series NEW
55 200W Series
56 210W Series
57 300W Series NEW
58 305W Series
59 450W Series
60 600W Series NEW
61 612W Series
62 750W Series NEW
63 1KW Series NEW

SPECIAL APPLICATION

64 Defense Power Supply
65 600W 1U Rack Mount / Adjustable 500W Power Supply



I.T.E.



5 Watt Series

Wall Mount Type

USA / Japan / Taiwan / Europe / UK

ATS005T - W X X X ☐

O / P Voltage

U : US Plug
E : EU Plug
B : UK Plug

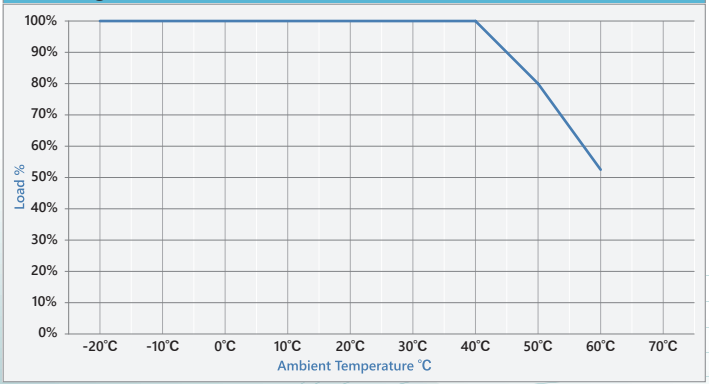
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS005T-W033☐	3.3V	1.50A	4.95W
ATS005T-W050☐	5.0V	1.00A	5.00W
ATS005T-W051☐	5.0V	1.50A	7.50W
ATS005T-W060☐	5.9V	1.20A	7.08W
ATS005T-W075☐	7.5V	1.00A	7.50W
ATS005T-W090☐	9.0V	0.67A	6.03W
ATS005T-W120☐	12.0V	0.60A	7.20W
ATS005T-W150☐	15.0V	0.50A	7.50W
ATS005T-W180☐	18.0V	0.33A	5.94W
ATS005T-W240☐	24.0V	0.25A	6.00W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.19A Max.
Protection	Internal Primary Current Fuse
Configuration	U for US Plug
	E for EU Plug
	B for UK Plug

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.25mA
Efficiency	DoE Level VI, ErP Stage 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC, by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	2,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	U - L 56 × W 28 × H 59 (mm)
	E - L 56 × W 28 × H 79 (mm)
	B - L 56 × W 49 × H 71 (mm)
Weight	U : 82g E : 96g
	B : 100g (Ref.)

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I.T.E.

12 Watt Series

Wall Mount Type

USA / Japan / Taiwan / Europe / UK

ATS012T - W X X X □

O / P Voltage

U : US Plug
E : EU Plug
B : UK Plug

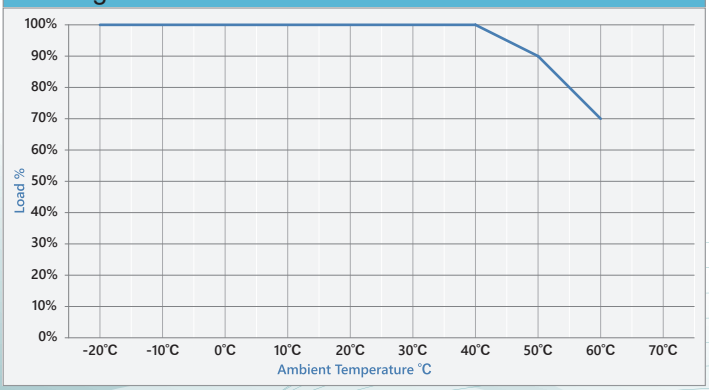
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS012T-W033□	3.3V	2.00A	6.60W
ATS012T-W050□	5.0V	2.00A	10.00W
ATS012T-W051□	5.0V	2.50A	12.50W
ATS012T-W060□	5.9V	2.00A	11.80W
ATS012T-W084□	8.4V	1.30A	10.92W
ATS012T-W090□	9.0V	1.20A	10.80W
ATS012T-W120□	12.0V	1.00A	12.00W
ATS012T-W135□	13.5V	0.89A	12.01W
ATS012T-W150□	15.0V	0.80A	12.00W
ATS012T-W180□	18.0V	0.67A	12.06W
ATS012T-W240□	24.0V	0.50A	12.00W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.31A Max.
Protection	Internal Primary Current Fuse
Configuration	U for US Plug
	E for EU Plug
	B for UK Plug

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.25mA
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	2,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	U - L 72 × W 34 × H 59 (mm)
	E - L 72 × W 34 × H 80 (mm)
	B - L 72 × W 50 × H 71 (mm)
Weight	U : 126g B : 130g
	E : 128g (Ref.)

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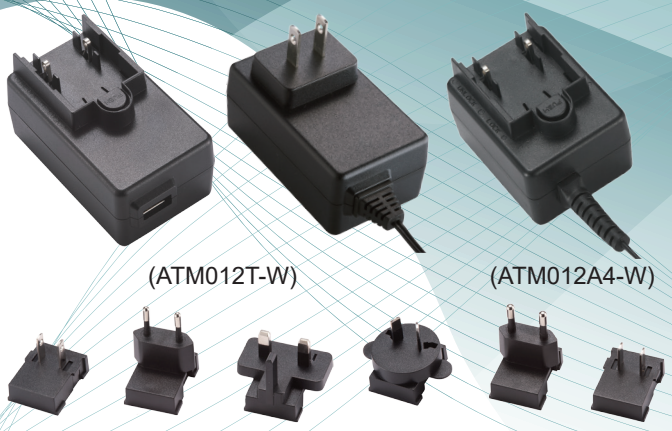
I.T.E.

Medical

12 Watt Series

Wall Mount Type
USA / Europe / UK / Australia /
AC Plug Changeable



(ATM012T-W) (ATM012A4-W)

ATM012A4 - W X X X V

O / P Voltage → V : Changeable Plug

ATM012T - W X X X □ □

O / P Voltage
U : US Plug
E : EU Plug
B : UK Plug
A : AU Plug
V : Changeable Plug

Blank : with DC cord
U : with USB port

Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM012T-W033□	3.3V	2.00A	6.60W
ATM012T-W050□□	5.0V	2.00A	10.00W
ATM012T-W051□	5.0V	3.00A	15.00W
ATM012T-W060□	5.9V	2.00A	11.80W
ATM012T-W062□	6.2V	2.00A	12.40W
ATM012T-W090□	9.0V	1.20A	10.80W
ATM012T-W120□	12.0V	1.00A	12.00W
ATM012T-W150□	15.0V	0.80A	12.00W
ATM012T-W180□	18.0V	0.67A	12.06W
ATM012T-W240□	24.0V	0.50A	12.00W
Model	**O/P Voltage**	**O/P Current**	**Watt**
ATM012A4-W050V	5.00V	2.00A	10.00W
ATM012A4-W051V	5.00V	3.00A	15.00W
ATM012A4-W052V	5.10V	2.40A	12.24W
ATM012A4-W062V	6.20V	2.00A	12.40W
ATM012A4-W090V	9.00V	1.33A	11.97W
ATM012A4-W120V	12.00V	1.00A	12.00W
ATM012A4-W240V	24.00V	0.50A	12.00W

Input		
Voltage	100-240VAC	
Line Frequency	50-60Hz	
Current	ATM012T : 0.32A Max. ; ATM012A4 : 0.5A Max.	
Protection	Internal Primary Current Fuse	
Configuration	U for US Plug	B for UK Plug
	E for EU Plug	A for AU Plug
	V for Changeable Plug	

Derating Curve
See P.38

Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension (ATM012T)	U - L 80.2 × W 46 × H 57.5(mm)
	E - L 80.2 × W 46 × H 68.7(mm)
	B - L 80.2 × W 49.6 × H 62.7(mm)
	A - L 80.2 × W 56 × H 57.5(mm)
	V - L 80.2 × W 46 × H 40.5(mm)
Case Dimension (ATM012A4)	L 59 × W 46 × H 40.5(mm)
Weight (ATM012T)	U : 140g E : 145g B : 148g
	A : 144g V : 140g(Ref.)
Weight(ATM012A4)	116g(Ref.)

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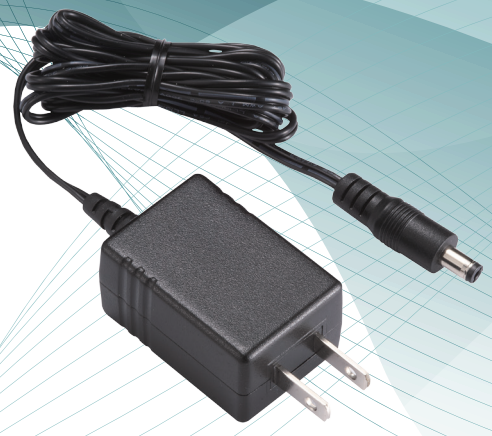
I.T.E.



12 Watt Series

Small Size Wall Mount Type
USA / Japan / Taiwan

ATS012S - W X X X U

O / P Voltage ◄ ► U : US Plug

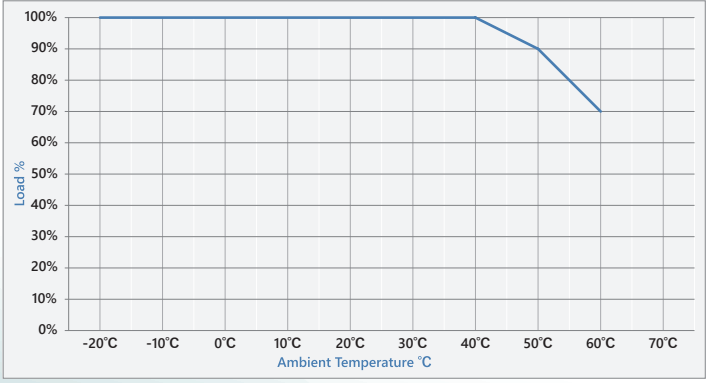
Features :

- IEC/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS012S-W033U	3.3V	2.0A	6.6W
ATS012S-W050U	5.0V	2.0A	10.0W
ATS012S-W060U	5.9V	2.0A	11.8W
ATS012S-W090U	9.0V	1.2A	10.8W
ATS012S-W120U	12.0V	1.0A	12.0W
ATS012S-W150U	15.0V	0.8A	12.0W
ATS012S-W240U	24.0V	0.5A	12.0W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.31A Max.
Protection	Internal Primary Resistor Fuse
Configuration	U for US Plug

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 3% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 5mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.25mA
Efficiency	DoE Level VI
EMC Standards	FCC CFR 47, Part 15 Subpart B
	ANSI C63.4 : 2014
	Canadian ICES-003 issue 7 (2020) Class B
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	2,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 65.4 × W 33.8 × H 25.4 (mm)
Weight	66g (Ref.)

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I.T.E.

18 Watt Series

Wall Mount Type
USA / Japan / Taiwan / Europe / UK / Australia /
AC Plug Changeable

ATS018T - W X X X □

O / P Voltage

U : US Plug
E : EU Plug
B : UK Plug
A : AU Plug
V : Changeable Plug

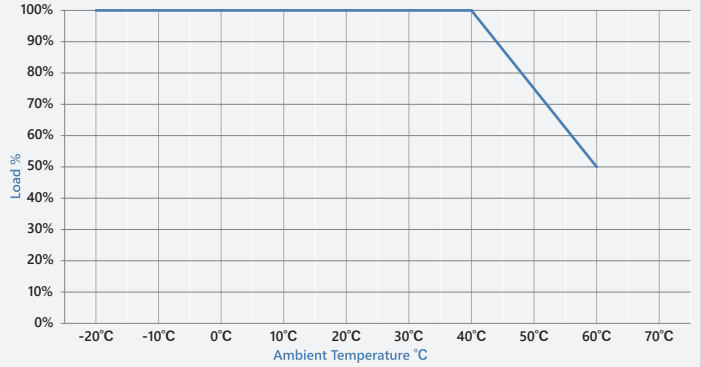
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS018T-W050□	5.0V	3.0A	15.00W
ATS018T-W060□	5.9V	2.5A	14.75W
ATS018T-W061□	5.9V	3.0A	17.70W
ATS018T-W070□	7.0V	2.5A	17.50W
ATS018T-W075□	7.5V	2.5A	18.75W
ATS018T-W090□	9.0V	2.2A	19.80W
ATS018T-W100□	10.0V	1.9A	19.00W
ATS018T-W110□	11.0V	1.6A	17.60W
ATS018T-W120□	12.0V	1.6A	19.20W
ATS018T-W150□	15.0V	1.3A	19.50W
ATS018T-W160□	16.0V	1.2A	19.20W
ATS018T-W180□	18.0V	1.1A	19.80W
ATS018T-W240□	24.0V	0.8A	19.20W

Input		
Voltage	100-240VAC	
Line Frequency	50-60Hz	
Current	0.48A Max.	
Protection	Internal Primary Current Fuse	
Configuration	U for US Plug	A for AU Plug
	E for EU Plug	B for UK Plug
	V for Changeable Plug	

Derating Curve

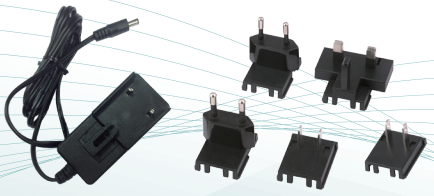


Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.25mA
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	2,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical		
Case Dimension	U & C - L 72 x W 34 x H 69 (mm)	
	E - L 72 x W 34 x H 90 (mm)	
	B - L 72 x W 50 x H 81 (mm)	
	A - L 72 x W 40 x H 78 (mm)	
	V - L 75 x W 36 x H 66 (mm)	
Weight	U : 148g	A : 150g
	E : 154g	B : 158g
	V : 158g (Ref.)	



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18 Watt Series

Deskyop Type

ATS018T - □ X X X

P : C6 / C14
A : C8

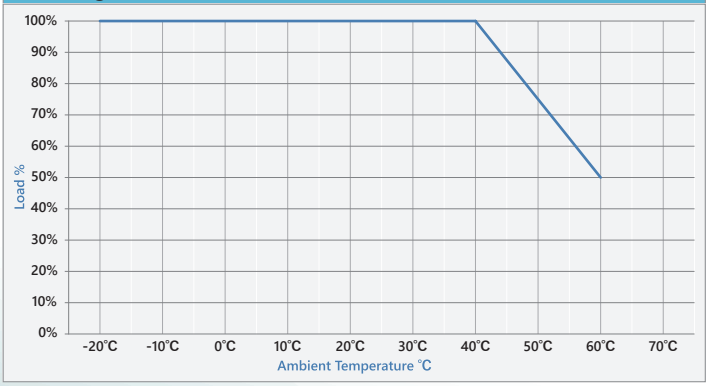
O / P Voltage

Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS018T-□050	5.0V	3.0A	15.00W
ATS018T-□060	5.9V	2.5A	14.75W
ATS018T-□061	5.9V	3.0A	17.70W
ATS018T-□070	7.0V	2.5A	17.50W
ATS018T-□075	7.5V	2.5A	18.75W
ATS018T-□090	9.0V	2.2A	19.80W
ATS018T-□100	10.0V	1.9A	19.00W
ATS018T-□110	11.0V	1.6A	17.60W
ATS018T-□120	12.0V	1.6A	19.20W
ATS018T-□150	15.0V	1.3A	19.50W
ATS018T-□160	16.0V	1.2A	19.20W
ATS018T-□180	18.0V	1.1A	19.80W
ATS018T-□240	24.0V	0.8A	19.20W

Derating Curve



Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.48A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C8,C14

Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.25mA @ 2Pin / < 5mA @ 3Pin
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC, by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	2,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	C6 & C14 : L100 x W50 x H33(mm)
	C8 : L88 x W50 x H34(mm)
Weight	144g (Ref.)

24 Watt Series

Wall Mount Type

USA / Japan / Taiwan / Europe / UK / Australia / AC Plug Changeable

ATS024T - W X X X ☐

O / P Voltage

U : US Plug
E : EU Plug
B : UK Plug
A : AU Plug
V : Changeable Plug

Features :

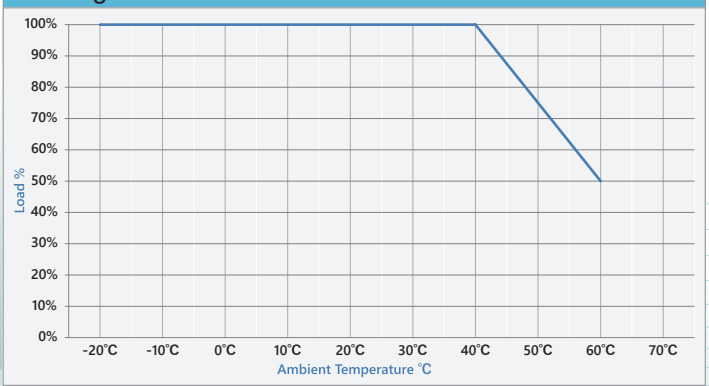
- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS024T-W050☐	5.0V	4.0A	20.00W
ATS024T-W060☐	5.9V	3.5A	20.65W
ATS024T-W061☐	5.9V	4.0A	23.60W
ATS024T-W070☐	7.0V	3.0A	21.00W
ATS024T-W075☐	7.5V	3.0A	22.50W
ATS024T-W090☐	9.0V	2.5A	22.50W
ATS024T-W120☐	12.0V	2.0A	24.00W
ATS024T-W150☐	15.0V	1.6A	24.00W
ATS024T-W240☐	24.0V	1.0A	24.00W
ATS024T-W480☐	48.0V	0.5A	24.00W

Input

Voltage	100-240VAC	
Line Frequency	50-60Hz	
Current	0.58A Max.	
Protection	Internal Primary Current Fuse	
Configuration	U for US Plug	A for AU Plug
	E for EU Plug	B for UK Plug
	V for Changeable Plug	

Derating Curve



Output

Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical

Topology	Switching Flyback
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.25mA
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental

Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	2,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	U - L 72 x W 34 x H 69 (mm)	
	E - L 72 x W 34 x H 90 (mm)	
	B - L 72 x W 50 x H 81 (mm)	
	A - L 72 x W 40 x H 78 (mm)	
	V - L 75 x W 36 x H 66 (mm)	
Weight	U : 148g	A : 150g
	E : 154g	B : 158g
	V : 158g (Ref.)	

I.T.E.

24 Watt Series

Desktop Type

ATS024T - □ X X X

P : C6 / C14
A : C8

O / P Voltage

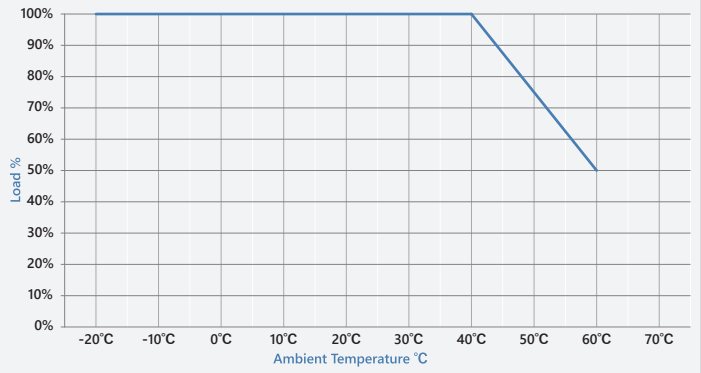
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS024T-□050	5.0V	4.0A	20.00W
ATS024T-□060	5.9V	3.5A	20.65W
ATS024T-□061	5.9V	4.0A	23.60W
ATS024T-□070	7.0V	3.0A	21.00W
ATS024T-□075	7.5V	3.0A	22.50W
ATS024T-□090	9.0V	2.5A	22.50W
ATS024T-□120	12.0V	2.0A	24.00W
ATS024T-□150	15.0V	1.6A	24.00W
ATS024T-□240	24.0V	1.0A	24.00W
ATS024T-□480	48.0V	0.5A	24.00W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.58A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C8,C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.25mA @ 2Pin / < 5mA @ 3Pin
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	2,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	C6 & C14 : L100 x W50 x H33(mm)
	C8 : L88 x W50 x H34(mm)
Weight	166g (Ref.)

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I.T.E.

36 Watt Series

Wall Mount Type

USA / Japan / Taiwan / Europe / UK / Australia / AC Plug Changeable

ATS036T - W X X X □

O / P Voltage

U : US Plug
E : EU Plug
B : UK Plug
A : AU Plug
V : Changeable Plug

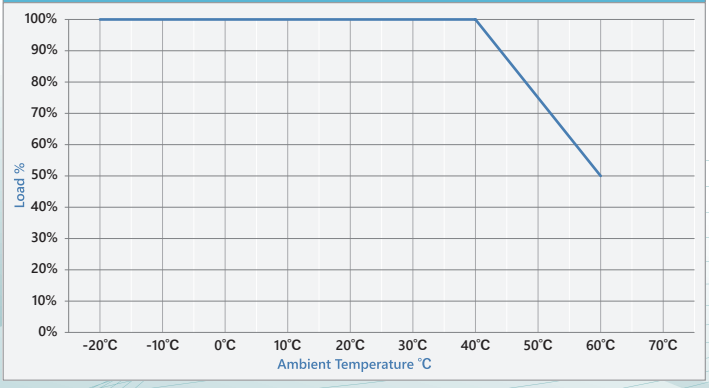
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS036T-W050□	5.0V	5.00A	25W
ATS036T-W075□	7.5V	4.00A	30W
ATS036T-W085□	8.5V	3.52A	30W
ATS036T-W090□	9.0V	3.34A	30W
ATS036T-W120□	12.0V	3.00A	36W
ATS036T-W121□	12.0V	2.50A	30W
ATS036T-W135□	13.5V	2.66A	36W
ATS036T-W150□	15.0V	2.40A	36W
ATS036T-W160□	16.0V	2.25A	36W
ATS036T-W180□	18.0V	2.00A	36W
ATS036T-W240□	24.0V	1.50A	36W
ATS036T-W480□	48.0V	0.75A	36W

Input		
Voltage	100-240VAC	
Line Frequency	50-60Hz	
Current	1A Max.	
Protection	Internal Primary Current Fuse	
Configuration	U for US Plug	B for UK Plug
	E for EU Plug	A for AU Plug
	V for Changeable Plug	

Derating Curve

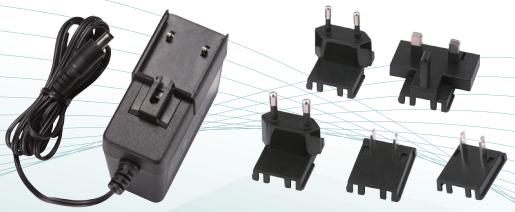


Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.25mA
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC, by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	2,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	U - L 79 x W 34 x H 74 (mm)
	E - L 79 x W 34 x H 94 (mm)
	B - L 79 x W 49 x H 86 (mm)
	A - L 79 x W 41 x H 82 (mm)
	V - L 79 x W 35 x H 66 (mm)
Weight	160g (Ref.)



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I.T.E.

36 Watt Series

Desktop Type

ATS036T - □ X X X

P : C14
A : C8

O / P Voltage

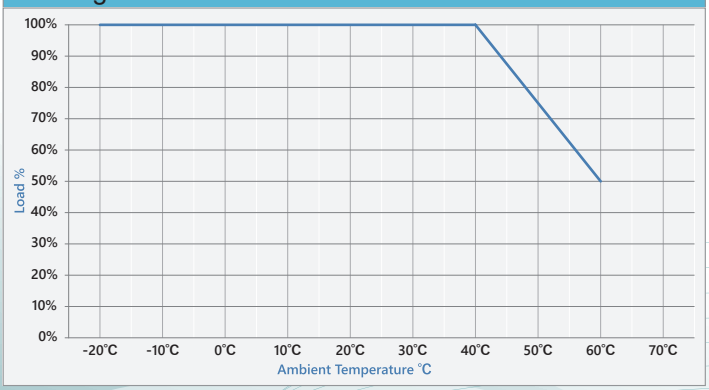
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS036T-□050	5.0V	5.00A	25W
ATS036T-□075	7.5V	4.00A	30W
ATS036T-□085	8.5V	3.52A	30W
ATS036T-□090	9.0V	3.34A	30W
ATS036T-□120	12.0V	3.00A	36W
ATS036T-□121	12.0V	2.50A	30W
ATS036T-□135	13.5V	2.66A	36W
ATS036T-□150	15.0V	2.40A	36W
ATS036T-□160	16.0V	2.25A	36W
ATS036T-□180	18.0V	2.00A	36W
ATS036T-□240	24.0V	1.50A	36W
ATS036T-□480	48.0V	0.75A	36W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C8,C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.25mA @ 2Pin / < 5mA @ 3Pin
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	2,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	C14 - L 100 x W 50 x H 33 (mm)
	C8 - L 99 x W 50 x H 33 (mm)
Weight	210g (Ref.)

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I.T.E.

40 Watt Series

Desktop Type

ATS040T - □ X X X

P : C6 / C14
A : C8

O / P Voltage

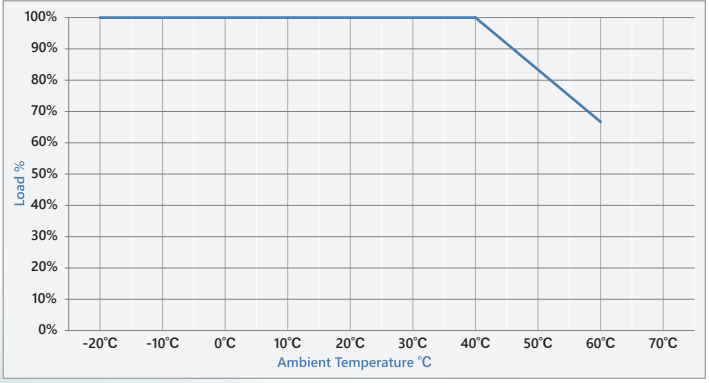
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS040T-□120	12.0V	3.30A	40W
ATS040T-□150	15.0V	2.67A	40W
ATS040T-□190	19.0V	2.10A	40W
ATS040T-□200	20.0V	2.00A	40W
ATS040T-□240	24.0V	1.67A	40W
ATS048T-A480	48.0V	1.00A	48W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1A Max. / 1.2A Max. for ATS048T-A480
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C8,C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.25mA @ 2Pin / < 5mA @ 3Pin
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 100 x W 50 x H 33 (mm)
Weight	200g (Ref.)

I.T.E.

50 Watt Series

Desktop Type

ATS050A1 - □ X X X

A : C8
G : C6
P : C14

O / P Voltage

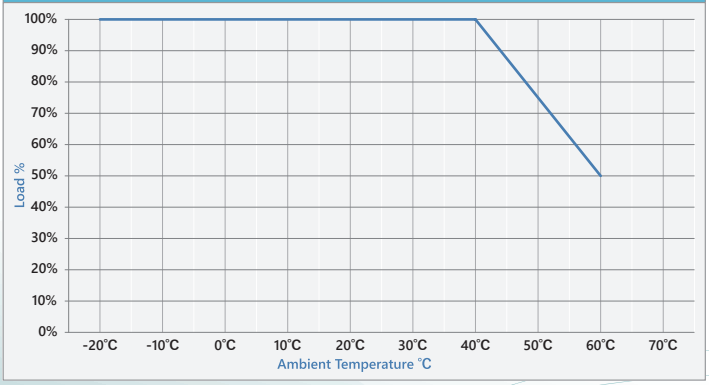
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS050A1-□090	9.0V	5.00A	45W
ATS050A1-□120	12.0V	4.20A	50W
ATS050A1-□150	15.0V	3.34A	50W
ATS050A1-□180	18.0V	2.78A	50W
ATS050A1-□190	19.0V	2.64A	50W
ATS050A1-□240	24.0V	2.10A	50W
ATS050A1-□480	48.0V	1.05A	50W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.2A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C8,C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.25mA @ 2Pin / < 5mA @ 3Pin
Efficiency	DoE Level VI, ErP Stage 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	2,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L115 x W48.5 x H32.1 (mm)
Weight	210g (Ref.)

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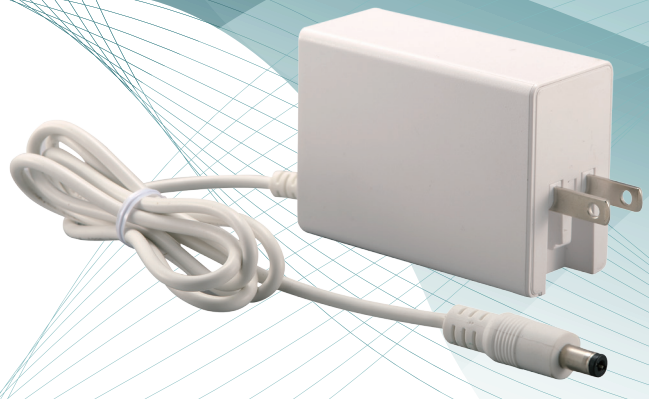
I.T.E.

Medical



65 Watt Series

Wall Mount Type

USA / Japan / Taiwan / AC Plug Changeable

ATM065A4 - W X X X □

O / P Voltage

U : US Plug / Changeable Plug

V : Changeable Plug

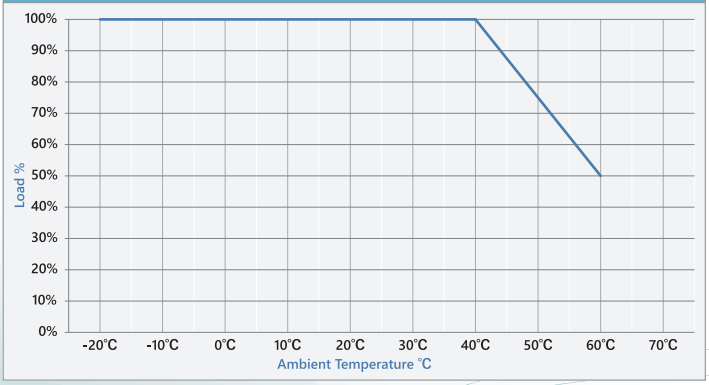
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM065A4-W120□	12.0V	5.00A	60W
ATM065A4-W150□	15.0V	4.34A	65W
ATM065A4-W190□	19.0V	3.43A	65W
ATM065A4-W240□	24.0V	2.71A	65W
ATM065A4-W480□	48.0V	1.36A	65W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.6A-0.7A
Protection	Internal Primary Current Fuse
Configuration	U for US Plug / Changeable Plug
	V for Changeable Plug

Derating Curve

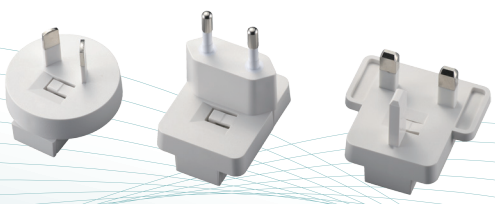


Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 53.5 × W 31.5 × H 74.5 (mm)
Weight	195g (Ref.)



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CB CE GS FC PS E JET R33154 RoHS RoHS

I.T.E.

65 Watt Series

Desktop Type

ATS065T - □ X X X

P : C6 / C14
A : C8

O / P Voltage

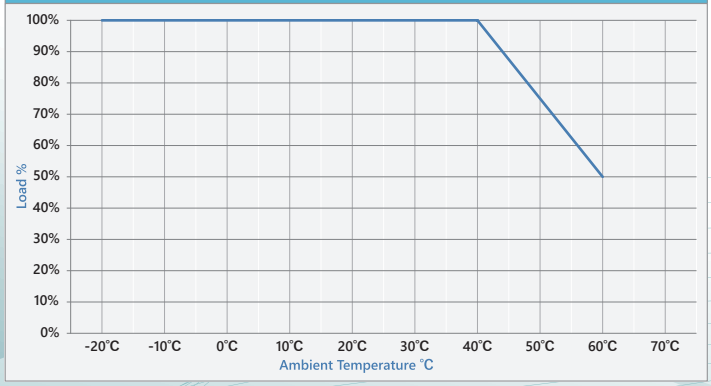
Features :

- IEC/EN/UL 62368-1
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS065T-□120	12.0V	5.00A	60W
ATS065T-□135	13.5V	4.82A	65W
ATS065T-□150	15.0V	4.34A	65W
ATS065T-□160	16.0V	4.07A	65W
ATS065T-□180	18.0V	3.62A	65W
ATS065T-□190	19.0V	3.43A	65W
ATS065T-□200	20.0V	3.25A	65W
ATS065T-□240	24.0V	2.71A	65W
ATS065T-□241(*)	24.0V	2.71A	65W
ATS065T-P242(*)	24.0V	2.71A	65W
ATS072T-□240	24.0V	3.00A	72W
ATS065T-□300	30.0V	2.17A	65W
ATS065T-□320	32.0V	2.04A	65W
ATS065T-□321(*)	32.0V	2.04A	65W
ATS065T-P375	37.5V	1.73A	65W
ATS065T-□480	48.0V	1.36A	65W
ATS065T-□560	56.0V	1.17A	65W

(*) With peak current design
ATS065T-□241 with peak current 11.0A
ATS065T-P242 with peak current 11.0A
ATS065T-□321 with peak current 3.9A

Derating Curve



Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.4A Max. for 65W / 1.6A Max. for 72W
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C8,C14

Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.25mA @ 2Pin / < 5mA @ 3Pin
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	2,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L115 x W53 x H38 (mm)
Weight	310g (Ref.)

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I.T.E.

65 Watt Series

Desktop Type

ATS065A1 - ☐ X X X

A : C8
G : C6
P : C14

O / P Voltage

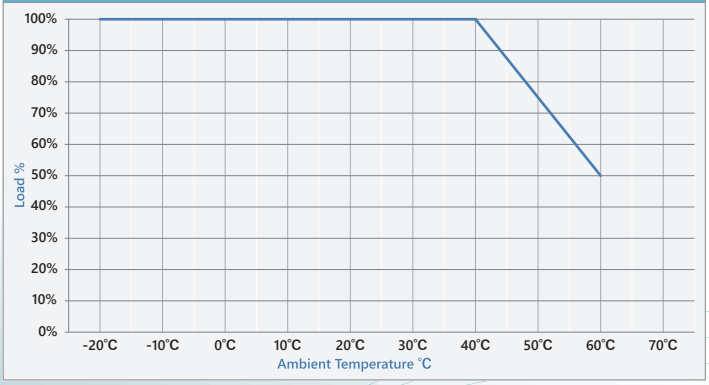
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS065A1-☐120	12.0V	5.00A	60W
ATS065A1-☐150	15.0V	4.34A	65W
ATS065A1-☐160	16.0V	4.07A	65W
ATS065A1-☐180	18.0V	3.62A	65W
ATS065A1-☐190	19.0V	3.43A	65W
ATS065A1-☐240	24.0V	2.71A	65W
ATS065A1-☐480	48.0V	1.36A	65W
ATS065A1-☐560	56.0V	1.17A	65W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.4A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C8,C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.25mA @ 2Pin / < 5mA @ 3Pin
Efficiency	DoE Level VI, ErP Stage 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	2,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L115 x W48.5 x H32.1 (mm)
Weight	220g (Ref.)

I.T.E.

90 Watt Series

Desktop Type

ATS090A1 - □ X X X

G : C6
P : C14

O / P Voltage

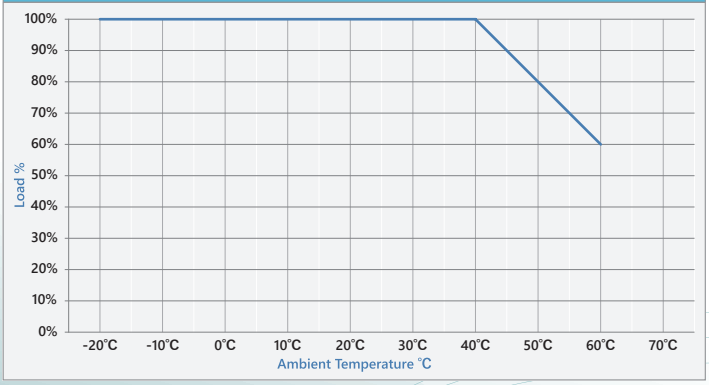
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS090A1-□120	12.0V	7.50A	90.0W
ATS090A1-□150	15.0V	6.00A	90.0W
ATS090A1-□160	16.0V	5.63A	90.0W
ATS090A1-□180	18.0V	5.00A	90.0W
ATS090A1-□190	19.0V	4.70A	89.3W
ATS090A1-□240	24.0V	3.75A	90.0W
ATS090A1-□480	48.0V	1.88A	90.0W
ATS090A1-□560	56.0V	1.60A	90.0W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.2A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	LLC
Dielectric Withstand	3,000VAC Primary - Secondary
Earth Leakage Current	< 5mA
Efficiency	DoE Level VI, ErP Stage 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC, by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 133.5 x W 53.5 x H 33 (mm)
Weight	330g (Ref.)

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I.T.E.

120 Watt Series

Desktop Type

ATS120A1 - P X X X

P : C6 / C14

O / P Voltage

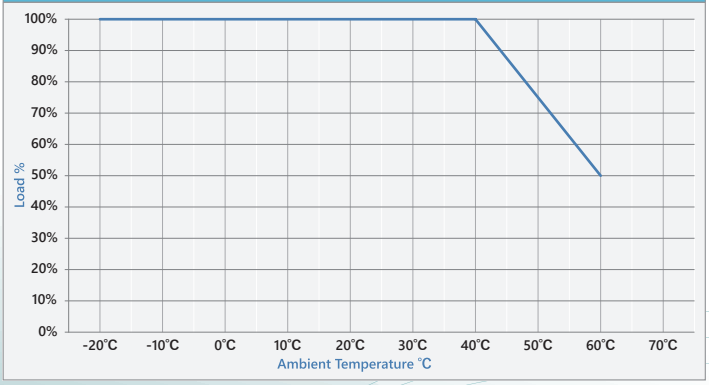
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS120A1-P120	12.0V	9.00A	108W
ATS120A1-P150	15.0V	8.00A	120W
ATS120A1-P160	16.0V	7.50A	120W
ATS120A1-P190	19.0V	6.30A	120W
ATS120A1-P240	24.0V	5.00A	120W
ATS120A1-P480	48.0V	2.50A	120W
ATS120A1-P560	56.0V	2.14A	120W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.6A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	3,000VAC Primary - Secondary
Earth Leakage Current	< 5mA
Efficiency	DoE Level VI, ErP Stage 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 140.5 × W 60 × H 35 (mm)
Weight	390g (Ref.)

I.T.E.

160 Watt Series

Desktop Type

ATS160A1 - ☐ X X X

G : C6
P : C14

O / P Voltage

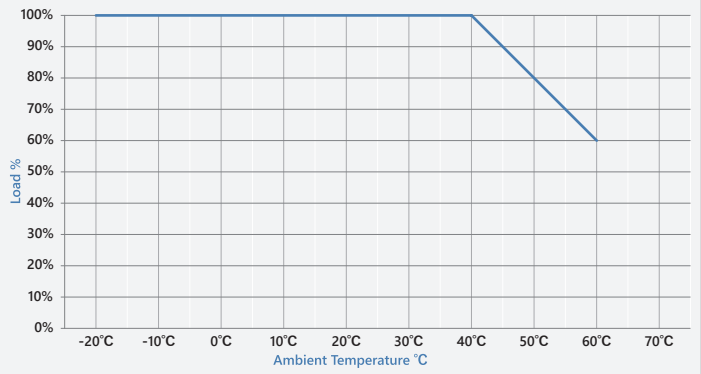
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS160A1-☐120	12.0V	12.50A	150W
ATS160A1-☐150	15.0V	10.00A	150W
ATS160A1-☐190	19.0V	8.40A	160W
ATS160A1-☐240	24.0V	6.60A	160W
ATS160A1-☐480	48.0V	3.30A	160W
ATS160A1-☐560	56.0V	2.86A	160W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.2A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	3,000VAC Primary - Secondary
Earth Leakage Current	< 5mA
Efficiency	DoE Level VI, ErP Stage 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 164.5 × W 66 × H 34.8 (mm)
Weight	500g (Ref.)

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I.T.E.

200 Watt Series

Desktop Type

ATS200A1 - ☐ X X X

G : C6
P : C14

O / P Voltage

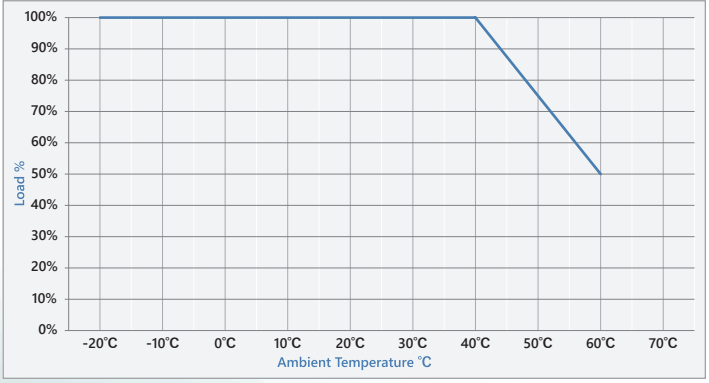
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS200A1-☐120	12.0V	16.00A	192W
ATS200A1-☐190	19.0V	10.50A	200W
ATS200A1-☐240	24.0V	8.30A	200W
ATS200A1-☐480	48.0V	4.17A	200W
ATS200A1-☐560	56.0V	3.58A	200W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.4 A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	3,000VAC Primary - Secondary
Earth Leakage Current	< 5mA
Efficiency	DoE Level VI, ErP Stage 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 175.2 × W 74 × H 42 (mm)
Weight	738g (Ref.)

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I.T.E.

240 Watt Series

Desktop Type

ATS240A1 - P X X X

P : C14

O / P Voltage

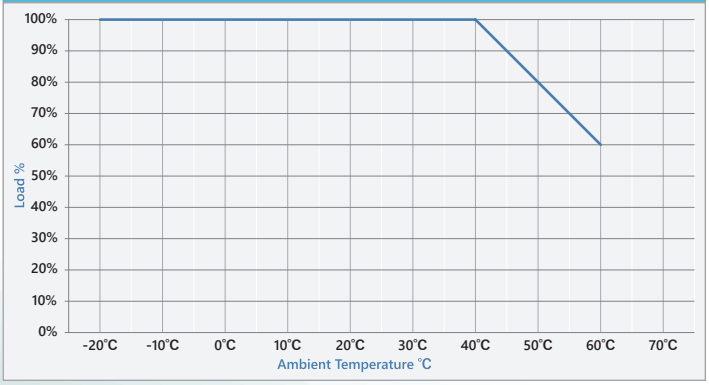
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240 VAC Universal Input
- Regulated Output with Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS240A1-P120	12.0V	20.00A	240W
ATS240A1-P190	19.0V	12.63A	240W
ATS240A1-P240	24.0V	10.00A	240W
ATS240A1-P480	48.0V	5.00A	240W
ATS240A1-P560	56.0V	4.28A	240W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.3A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	3,000VAC Primary - Secondary
Earth Leakage Current	< 5mA
Efficiency	DoE Level VI, ErP Stage 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 183.2 × W 81 × H 42.3 (mm)
Weight	860g (Ref.)

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I.T.E.

300 Watt Series

Desktop Type

ATS300A1 - P X X X

P : C14

O / P Voltage

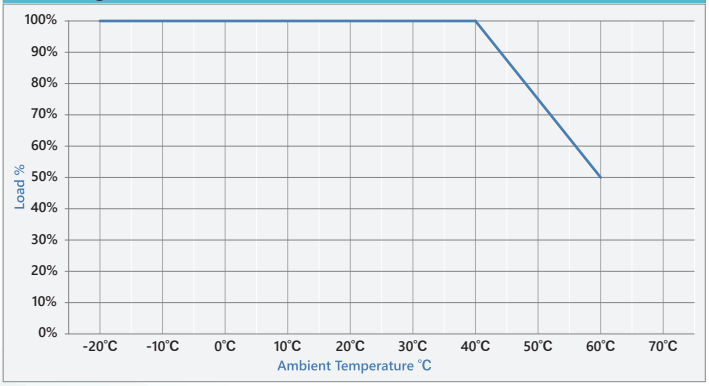
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS300A1-P120	12.0V	24.00A	288W
ATS300A1-P190	19.0V	15.79A	300W
ATS300A1-P240	24.0V	12.50A	300W
ATS300A1-P480	48.0V	6.25A	300W
ATS300A1-P560	56.0V	5.36A	300W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.5A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	3,000VAC Primary - Secondary
Earth Leakage Current	< 5mA
Efficiency	DoE Level VI
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40°C
Storage Temperature	-20 to + 80°C
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 204 × W 94 × H 43.5 (mm)
Weight	1,110g (Ref.)

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NEW

I.T.E.

Medical

600 Watt Series

Desktop Type

ATM600A4 - P X X X

P : C14

O / P Voltage

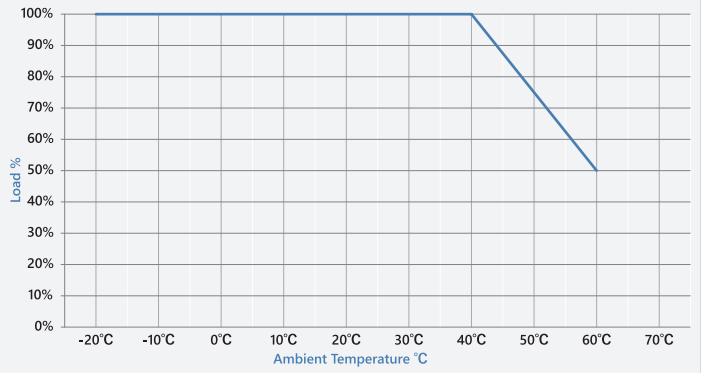
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240 VAC Universal Input
- Efficiency up to 96%
- Regulated Output with Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM600A4-P120	12.0V	45.00A	540W
ATM600A4-P240	24.0V	25.00A	600W
ATM600A4-P480	48.0V	12.50A	600W
ATM600A4-P560	56.0V	10.75A	600W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	7A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,500mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
EMC Standards	EN55032 / EN55011
	EN61000-3-2,3
	EN55035 / EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 254 × W 119 × H 50.5 (mm)
Weight	2,100g (Ref.)

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CB CE GS FC PS E JET R33154 RoHS RoHS

I.T.E.

USB Type-C P.D.
45 / 65 Watt Series

Desktop Type

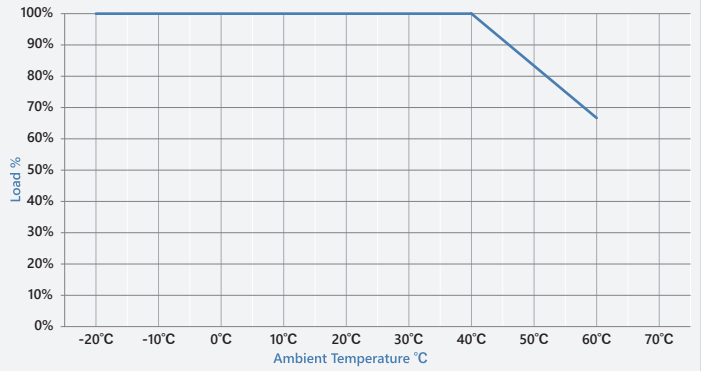
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Power Delivery 2.0
- System control through CC1
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
APD045T-A200	5.0V	3.00A	15W
	9.0V	3.00A	27W
	12.0V	3.00A	36W
	15.0V	3.00A	45W
	20.0V	2.25A	45W
APD065T-A200	5.0V	3.00A	15W
	9.0V	3.00A	27W
	12.0V	3.00A	36W
	15.0V	3.00A	45W
	19.0V	3.43A	65W
	20.0V	3.25A	65W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	45W : 1.2A Max. / 65W : 1.6A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C8

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.25mA
Efficiency	DoE Level VI, ErP Stage 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	APD045T : L 99 x W 33 x H 50 (mm)
	APD065T : L 119 x W 60 x H 36 (mm)
Weight	APD045T : 190g (Ref.)
	APD065T : 285g (Ref.)

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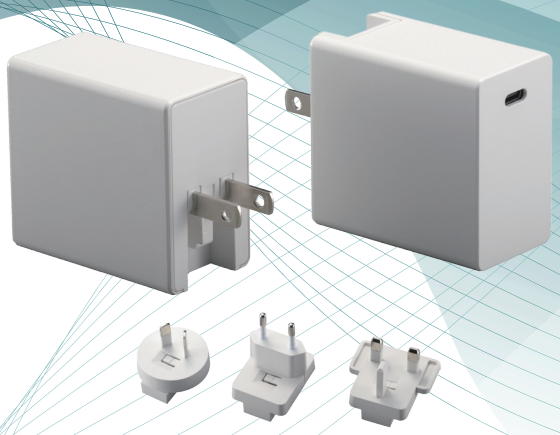
I.T.E.

Medical



USB Type-C P.D.
45 / 65 Watt Series

Wall Mount Type
USA / Japan / Taiwan / AC Plug Changeable

ATN045A3 - W200 □
→ U : US Plug / Changeable Plug
V : Changeable Plug

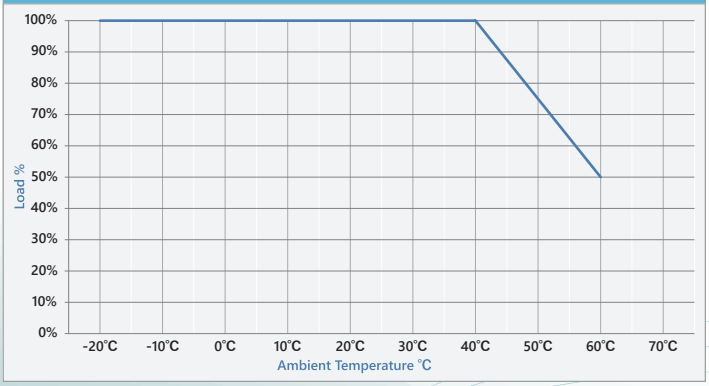
ATN065A3 - W200 □
→ U : US Plug / Changeable Plug
V : Changeable Plug

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1 3rd Edition
- Means of Protection : 2 X MOPP
- 100-240VAC Universal Input
- P.D. 3.0 / QC 4.0+ / QC 4.0
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATN045A3-W200□	5.0V	3.00A	15W
	9.0V	3.00A	27W
	12.0V	3.00A	36W
	15.0V	3.00A	45W
	20.0V	2.25A	45W
ATN065A3-W200□	5.0V	3.00A	15W
	9.0V	3.00A	27W
	12.0V	3.00A	36W
	15.0V	3.00A	45W
	20.0V	3.25A	65W

Derating Curve



Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	45W : 1A-0.5A / 65W : 1.6A-0.7A
Protection	Internal Primary Current Fuse
Configuration	U for US Plug / V for Changeable Plug

Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 200m Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Efficiency	Meet DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

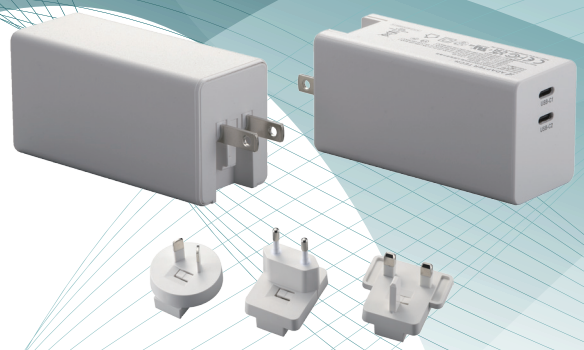
Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 53.5 × W 31.5 × H 58 (mm)
Weight	ATN045A3 : 125g (Ref.)
	ATN065A3 : 130g (Ref.)

c UL us LISTED POWER SUPPLY 60JJ E225703

I.T.E.

Medical



Dual USB Type-C P.D. 100 Watt GaN Series

Wall Mount Type

USA / Japan / Taiwan / AC Plug Changeable

ATN100A3 - W200 □

U : US Plug / Changeable Plug
V : Changeable Plug

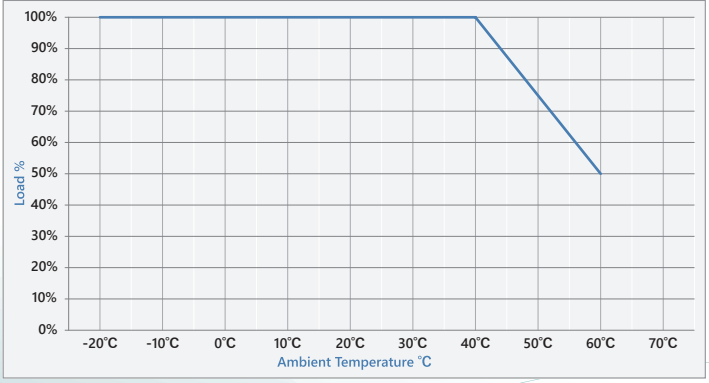
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1 3rd Edition
- Means of Protection : 2 X MOPP
- 100-240VAC Universal Input
- P.D. 3.0 / QC 4.0+ / QC 4.0
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATN100A3-W200□	5.0V	3.00A	15W
	9.0V	3.00A	27W
	12.0V	3.00A	36W
	15.0V	3.00A	45W
	20.0V	5.00A	100W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.3A-0.5A
Protection	Internal Primary Current Fuse
Configuration	U for US Plug / V for Changeable Plug

Derating Curve



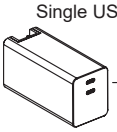
Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 100m Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Efficiency	Meet DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

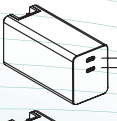
Mechanical	
Case Dimension	L 44 × W 35 × H 87 (mm)
Weight	230g (Ref.)

Single USB-Cx port

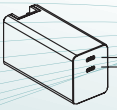


USB-C1 or
USB-C2:100W Max
(5V/3A,9V/3A,12V/3A,15V/3A,20V/5A)

Dual USB-Cx ports



USB-C1:60W Max (5V/3A,9V/3A,12V/3A,15V/3A,20V/3A)
USB-C2:40W Max (5V/3A,9V/3A,12V/3A,15/2.5A,20V/2A)



USB-C1:40W Max (5V/3A,9V/3A,12V/3A,15/2.5A,20V/2A)
USB-C2:60W Max (5V/3A,9V/3A,12V/3A,15V/3A,20V/3A)

I.T.E.

GaN FET Technology
120 Watt Series

Small Size Desktop Type

ATS120TS - P X X X

P : C6 / C14

O / P Voltage

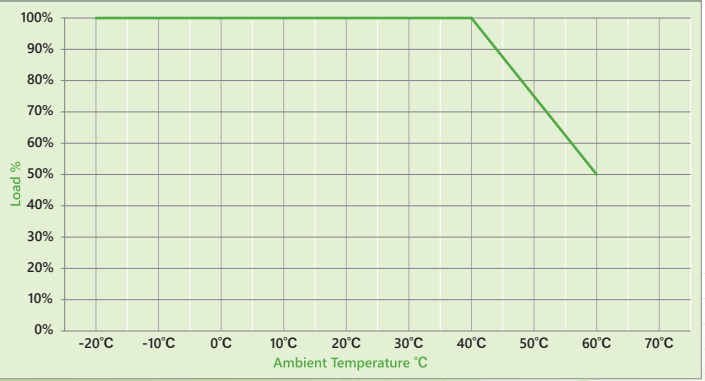
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240 VAC Universal Input
- Gallium Nitride Based Design
- High Power Density : 9.1W / in^3
- With 200kHz Switching Frequency
- Efficiency up to 94%
- Regulated Output with Low Ripple Noise
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS120TS-P120	12.0V	9.00A	108W
ATS120TS-P190	19.0V	6.30A	120W
ATS120TS-P200	20.0V	6.00A	120W
ATS120TS-P240	24.0V	5.00A	120W
ATS120TS-P480	48.0V	2.50A	120W
ATS120TS-P560	56.0V	2.14A	120W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.6A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	3,000VAC Primary - Secondary
Earth Leakage Current	< 5mA
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 132 × W 51 × H 32 (mm)
Weight	336g (Ref.)

c UL us LISTED POWER SUPPLY 60JJ E225703 CB CE Nemko GS FC PS E JET R33154 RoHS RoHS

I.T.E.

GaN FET Technology
160 Watt Series

Small Size Desktop Type

ATS160TS - □ X X X

P : C6 / C14
A : C8

O / P Voltage

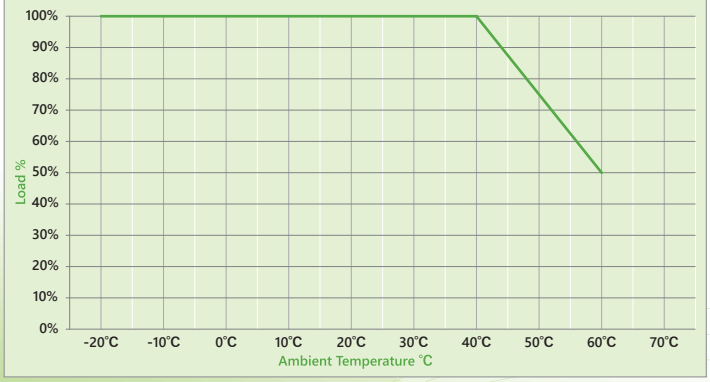
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240 VAC Universal Input
- Gallium Nitride Based Design
- High Power Density : 10.0W / in^3
- With 200kHz Switching Frequency
- Efficiency up to 95%
- Regulated Output with Low Ripple Noise
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS160TS-□120	12.0V	12.50A	150W
ATS160TS-□190	19.0V	8.40A	160W
ATS160TS-□240	24.0V	6.60A	160W
ATS160TS-□480	48.0V	3.30A	160W
ATS160TS-□560	56.0V	2.86A	160W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.2A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C8, C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.5mA @ 2Pin / < 5mA @ 3Pin
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	C6 & C14 - L 161 × W 54.2 × H 33.2 (mm)
	C8 - L 150 × W 54 × H 33 (mm)
Weight	530g (Ref.)

c UL us LISTED POWER SUPPLY 60JJ E225703 CB CE Nemko GS FC PS E JET (Optional) R33154 RoHS RoHS

I.T.E.

GaN FET Technology
200 Watt Series

Small Size Desktop Type

ATS200TS - □ X X X

P : C6 / C14
A : C8

O / P Voltage

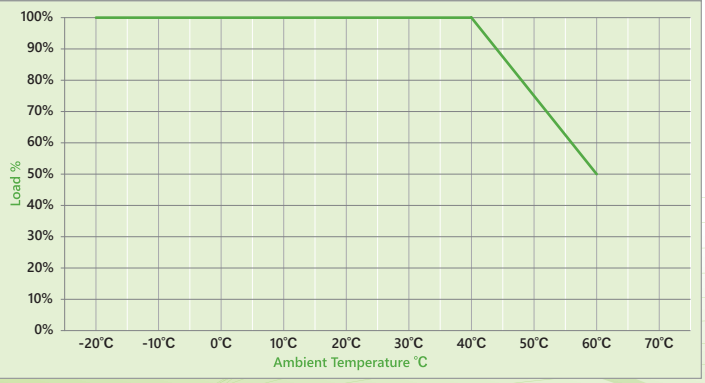
Features :

- IEC/EN/UL 62368-1
- 100-240 VAC Universal Input
- Gallium Nitride Based Design
- High Power Density : 12.5W / in^3
- With 250kHz Switching Frequency
- Efficiency up to 95%
- Regulated Output with Low Ripple Noise
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS200TS-□120	12.0V	16.0A	192W
ATS200TS-□180	18.0V	11.1A	200W
ATS200TS-□190	19.0V	10.5A	200W
ATS200TS-□191	19.5V	10.2A	200W
ATS200TS-□200	20.0V	10.0A	200W
ATS200TS-□240	24.0V	8.3A	200W
ATS200TS-□480	48.0V	4.2A	200W
ATS200TS-□560	56.0V	3.6A	200W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.4A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C8, C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

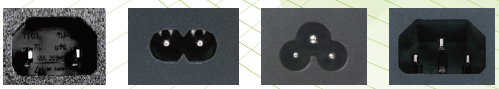
Electrical	
Topology	LLC
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.5mA @ 2Pin / < 5mA @ 3Pin
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	C6 & C14 - L 161 × W 54.2 × H 33.2 (mm)
	C8 - L 150 × W 54 × H 33 (mm)
Weight	560g (Ref.)

c UL us LISTED POWER SUPPLY 60JJ E225703 CB CE Nemko GS FC PS E JET (Optional) R33154 RoHS RoHS

Medical



GaN FET Technology
200 Watt Series

Small Size Desktop Type

ATM200TS - □ X X X

P : C6 / C14
A : C8 / C18

O / P Voltage

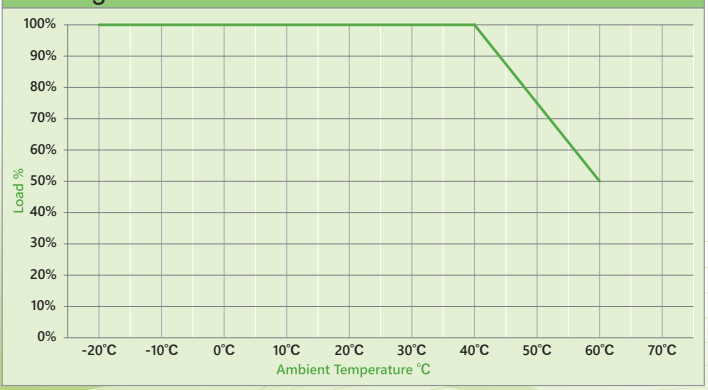
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- IEC/EN/ANSI/AAMI HA60601-1-11 (Class II Only)
- EMC : IEC60601-1-2 (Edition 4.1)
- 100-240 VAC Universal Input
- Gallium Nitride Based Design
- High Power Density : 11W / in^3
- With 250kHz Switching Frequency
- Means of Protection: 2 X MOPP
- Efficiency up to 95%
- Regulated Output with Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM200TS-□120	12.0V	16.0A	192W
ATM200TS-□150	15.0V	13.0A	195W
ATM200TS-□190	19.0V	10.5A	200W
ATM200TS-□240	24.0V	8.3A	200W
ATM200TS-□480	48.0V	4.2A	200W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.4A-0.9A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C8, C14, C18

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

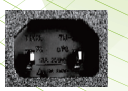
Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 166.5 × W 54.2 × H 33 (mm)
Weight	620g (Ref.)

(Optional)

I.T.E.

Medical



GaN FET Technology 250 Watt Series

Small Size Desktop Type

ATM250TS - □ X X X

P : C14
A : C18

O / P Voltage

Features :

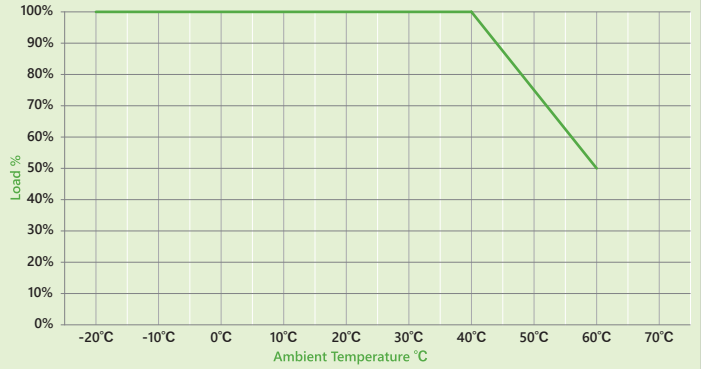
- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- IEC/EN/ANSI/AAMI HA60601-1-11 (Class II Only)
- EMC : IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1 3rd Edition
- 100-240 VAC Universal Input
- Gallium Nitride Based Design
- High Power Density : 11W / in^3
- With 250kHz Switching Frequency
- Means of Protection: 2 X MOPP
- Efficiency up to 95%
- Regulated Output with Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM250TS-□120	12.0V	19.00A	228W
ATM250TS-□190	19.0V	13.20A	250W
ATM250TS-□240	24.0V	10.40A	250W
ATM250TS-□480	48.0V	5.20A	250W
ATM250TS-□560(*)	56.0V	4.48A	250W

(*) I.T.E. Only

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.9A-1.3A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14, C18

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55032 / EN55011
	EN61000-3-2,3
	EN55035 / EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 173 × W 67 × H 32.1 (mm)
Weight	855g (Ref.)

c UL us LISTED POWER SUPPLY 60JJ E225703

I.T.E.

GaN FET Technology
270 Watt Series

Slim Size Desktop Type

ATS270A1 - P X X X

P : C14

O / P Voltage

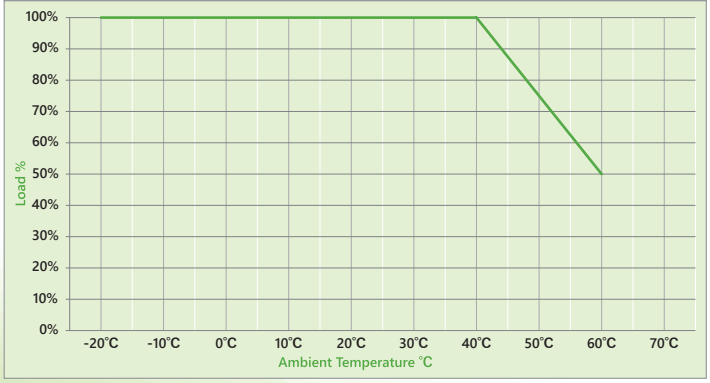
Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240 VAC Universal Input
- Gallium Nitride Based Design
- High Power Density : 12.6W / in^3
- Height : Less than 1”
- Efficiency up up to 95%
- Regulated Output with Low Ripple Noise
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS270A1-P190	19.0V	14.20A	270W
ATS270A1-P191	19.5V	13.80A	270W
ATS270A1-P240	24.0V	11.25A	270W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.5A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	3,000VAC Primary - Secondary
Earth Leakage Current	< 5mA
Efficiency	DoE Level VI
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 170 × W 84.3 × H 24.5 (mm)
Weight	630g (Ref.)

I.T.E.

Medical

GaN FET Technology
300 Watt Series

Small Size Desktop Type

ATM300TS - □ X X X

P : C14
A : C18

O / P Voltage

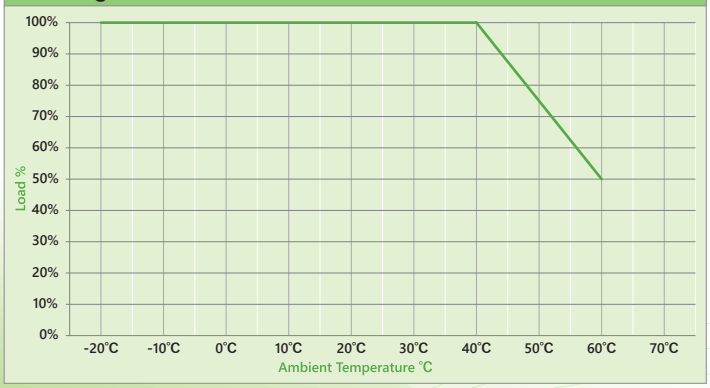
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- IEC/EN/ANSI/AAMI HA60601-1-11 (Class II Only)
- EMC : IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1 3rd Edition
- 100-240 VAC Universal Input
- Gallium Nitride Based Design
- High Power Density : 9W / in^3
- With 200kHz Switching Frequency
- Means of Protection: 2 X MOPP
- Efficiency up to 95%
- Regulated Output with Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM300TS-□120	12.0V	24.00A	288W
ATM300TS-□150	15.0V	20.00A	300W
ATM300TS-□190	19.0V	15.79A	300W
ATM300TS-□240	24.0V	12.50A	300W
ATM300TS-□480	48.0V	6.25A	300W
ATM300TS-□560(*)	56.0V	5.36A	300W

(*) I.T.E. Only

Derating Curve



Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.5A-1.5A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14, C18

Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
Efficiency	DoE Level VI
EMC Standards	EN55032 / EN55011
	EN61000-3-2,3
	EN55035 / EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 183 × W 85 × H 35 (mm)
Weight	1,060g (Ref.)

c UL us LISTED POWER SUPPLY 60JJ E225703

c UL us CB CE GS TÜV SUD FC PS E JET (Optional) R33154 RoHS RoHS

I.T.E.

Medical

GaN FET Technology
450 Watt Series

Desktop Type

ATM450A2 - P X X X

P : C14

O / P Voltage

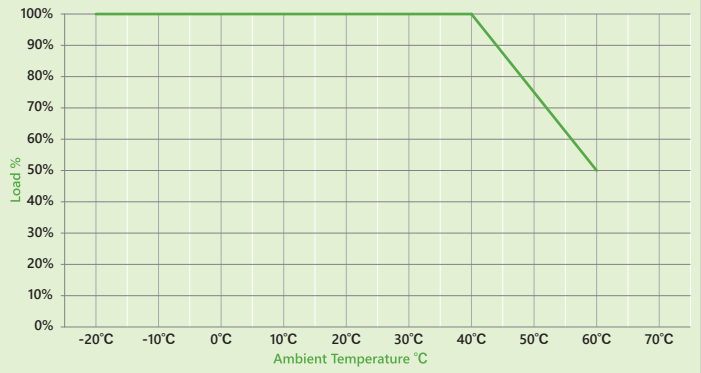
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1 3rd Edition
- 100-240 VAC Universal Input
- Gallium Nitride Based Design
- Means of Protection: 2 X MOPP
- Efficiency up to 95%
- Regulated Output with Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM450A2-P120	12.0V	33.34A	400W
ATM450A2-P190	19.0V	23.60A	450W
ATM450A2-P240	24.0V	18.75A	450W
ATM450A2-P480	48.0V	9.38A	450W
ATM450A2-P560	56.0V	8.05A	450W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	5.3A-2.2A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14

Derating Curve

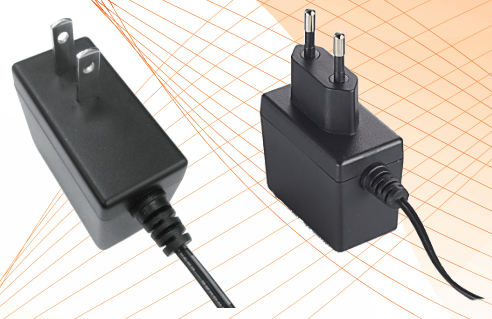


Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
Efficiency	DoE Level VI
EMC Standards	EN55032 / EN55011
	EN61000-3-2,3
	EN55035 / EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 254 × W 116 × H 47 (mm)
Weight	1,600g (Ref.)



6 Watt Series

Wall Mount Type
USA / Europe

ATM006T - W X X X □

O / P Voltage

U : US Plug
E : EU Plug

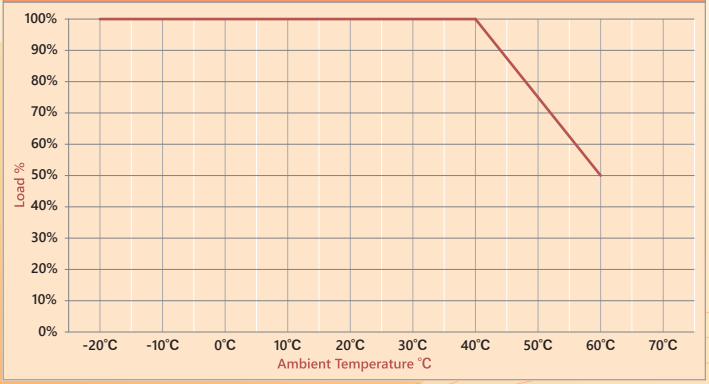
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection : 2 X MOPP
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM006T-W050□	5.0V	1.2A	6.0W
ATM006T-W060□	6.0V	1.0A	6.0W
ATM006T-W075□	7.5V	1.0A	7.5W
ATM006T-W090□	9.0V	0.7A	6.3W
ATM006T-W120□	12.0V	0.5A	6.0W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.19A-0.1A
Protection	Internal Primary Current Fuse
Configuration	U for US Plug
	E for EU Plug

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Efficiency	Meet DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	3,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

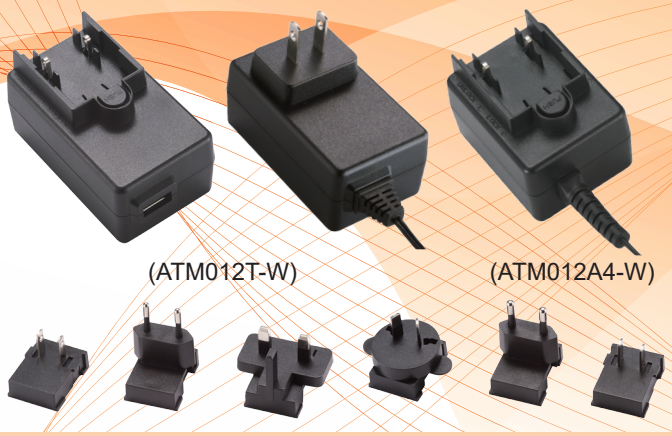
Mechanical	
Case Dimension	U - L 56 × W 28 × H 59 (mm)
	E - L 56 × W 28 × H 79 (mm)
Weight	U : 68g E : 80g (Ref.)

I.T.E.

Medical

12 Watt Series

Wall Mount Type
USA / Europe / UK / Australia /
AC Plug Changeable



(ATM012T-W) (ATM012A4-W)

ATM012A4 - W X X X V

O / P Voltage → V : Changeable Plug

ATM012T - W X X X □ □

O / P Voltage
U : US Plug
E : EU Plug
B : UK Plug
A : AU Plug
V : Changeable Plug

Blank : with DC cord
U : with USB port

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1 3rd Edition
- Means of Protection: 2 X MOPP
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM012T-W033☐	3.3V	2.00A	6.60W
ATM012T-W050☐☐	5.0V	2.00A	10.00W
ATM012T-W051☐	5.0V	3.00A	15.00W
ATM012T-W060☐	5.9V	2.00A	11.80W
ATM012T-W062☐	6.2V	2.00A	12.40W
ATM012T-W090☐	9.0V	1.20A	10.80W
ATM012T-W120☐	12.0V	1.00A	12.00W
ATM012T-W150☐	15.0V	0.80A	12.00W
ATM012T-W180☐	18.0V	0.67A	12.06W
ATM012T-W240☐	24.0V	0.50A	12.00W
Model	**O/P Voltage**	**O/P Current**	**Watt**
ATM012A4-W050V	5.00V	2.00A	10.00W
ATM012A4-W051V	5.00V	3.00A	15.00W
ATM012A4-W052V	5.10V	2.40A	12.24W
ATM012A4-W062V	6.20V	2.00A	12.40W
ATM012A4-W090V	9.00V	1.33A	11.97W
ATM012A4-W120V	12.00V	1.00A	12.00W
ATM012A4-W240V	24.00V	0.50A	12.00W

Input		
Voltage	100-240VAC	
Line Frequency	50-60Hz	
Current	ATM012T : 0.32A-0.19A	
	ATM012A4 : 0.5A-0.2A	
Protection	Internal Primary Current Fuse	
Configuration	U for US Plug	B for UK Plug
	E for EU Plug	A for AU Plug
	V for Changeable Plug	

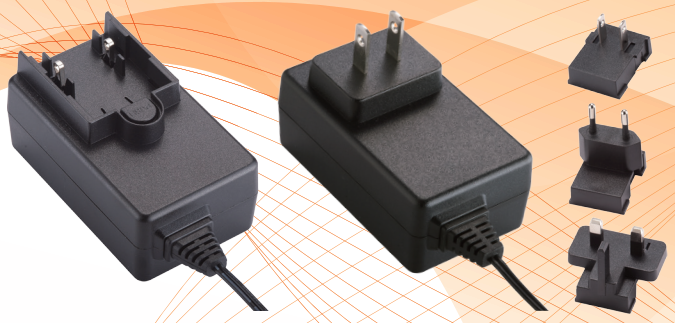
Derating Curve
See the next page

Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Efficiency	Meet DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension (ATM012T)	U - L 80.2 × W 46 × H 57.5(mm)
	E - L 80.2 × W 46 × H 68.7(mm)
	B - L 80.2 × W 49.6 × H 62.7(mm)
	A - L 80.2 × W 56 × H 57.5(mm)
	V - L 80.2 × W 46 × H 40.5(mm)
Case Dimension (ATM012A4)	L 59 × W 46 × H 40.5(mm)
Weight(ATM012T)	U : 140g E : 145g B : 148g
	A : 144g V : 140g(Ref.)
Weight(ATM012A4)	116g(Ref.)



24 / 36 Watt Series

Wall Mount Type

USA / Europe / UK / AC Plug Changeable

ATM024T - W X X X ☐

O / P Voltage

U : US Plug
E : EU Plug
B : UK Plug
V : Changeable Plug

ATM036A4 - W X X X ☐

O / P Voltage

U : US Plug
E : EU Plug
B : UK Plug
V : Changeable Plug

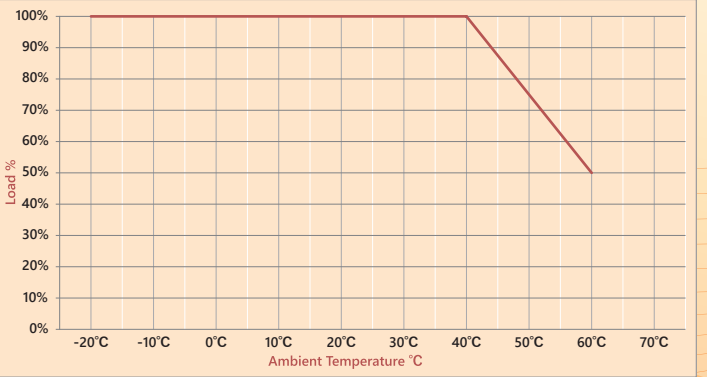
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM024T-W050☐	5.0V	4.0A	20.0W
ATM024T-W090☐	9.0V	2.5A	22.5W
ATM024T-W120☐	12.0V	2.0A	24.0W
ATM024T-W150☐	15.0V	1.6A	24.0W
ATM024T-W240☐	24.0V	1.0A	24.0W
ATM024T-W480☐	48.0V	0.5A	24.0W
Model	**O/P Voltage**	**O/P Current**	**Watt**
ATM036A4-W050☐	5.0V	5.0A	25.0W
ATM036A4-W090☐	9.0V	4.0A	36.0W
ATM036A4-W120☐	12.0V	3.0A	36.0W
ATM036A4-W150☐	15.0V	2.4A	36.0W
ATM036A4-W240☐	24.0V	1.5A	36.0W

Input		
Voltage	100-240VAC	
Line Frequency	50-60Hz	
Current	ATM024T : 0.58A-0.32A	
	ATM036A4 : 1A-0.4A	
Protection	Internal Primary Current Fuse	
Configuration	U for US Plug	B for UK Plug
	E for EU Plug	
	V for Changeable Plug	

Derating Curve*



*For ATM012T, ATM012A4, ATM024T and ATM036A4

Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Efficiency	Meet DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	U - L 80.2 × W 46 × H 57.5(mm)
	E - L 80.2 × W 46 × H 68.7(mm)
	B - L 80.2 × W 49.6 × H 62.7(mm)
	V - L 80.2 × W 46 × H 40.5(mm)
Weight	U : 140g E : 145g B : 148g
	V : 140g (Ref.)

Medical

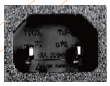
36 Watt Series

Desktop Type

ATM036T - ☐ X X X

P : C14
A : C8 / C18

O / P Voltage



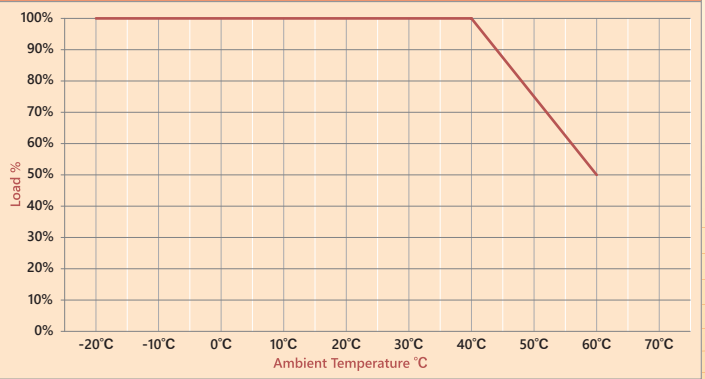
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM036T-☐050	5.0V	5.0A	25W
ATM036T-☐075	7.5V	4.0A	30W
ATM036T-☐090	9.0V	4.0A	36W
ATM036T-☐120	12.0V	3.0A	36W
ATM036T-☐150	15.0V	2.4A	36W
ATM036T-☐180	18.0V	2.0A	36W
ATM036T-☐240	24.0V	1.5A	36W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.0A-0.45A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C8, C14, C18

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

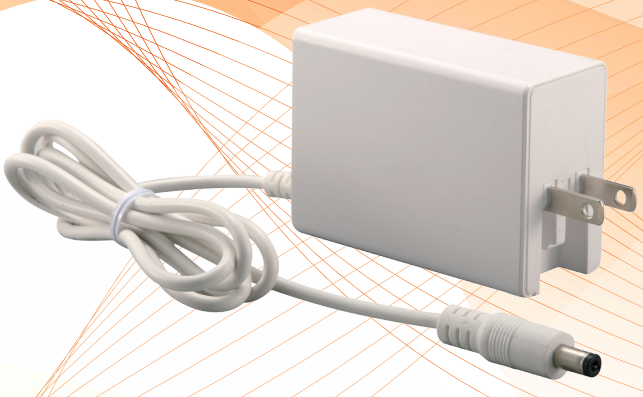
Electrical	
Topology	Switching Flyback
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
Efficiency	Meet DoE Level VI, ErP Stage 2
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	C14 & C18 - L 100 × W 50 × H 33 (mm)
	C8 - L 99 × W 50 × H 33 (mm)
Weight	210g (Ref.)

I.T.E.

Medical



65 Watt Series

Wall Mount Type

USA / Japan / Taiwan / AC Plug Changeable

ATM065A4 - W X X X ☐

O / P Voltage

U : US Plug / Changeable Plug

V : Changeable Plug

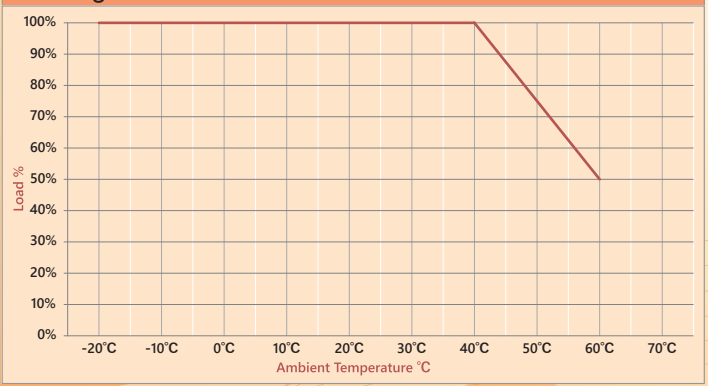
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1 3rd Edition
- Means of Protection: 2 X MOPP
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM065A4-W120☐	12.0V	5.00A	60W
ATM065A4-W150☐	15.0V	4.34A	65W
ATM065A4-W190☐	19.0V	3.43A	65W
ATM065A4-W240☐	24.0V	2.71A	65W
ATM065A4-W480☐	48.0V	1.36A	65W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.6A-0.7A
Protection	Internal Primary Current Fuse
Configuration	U for US Plug / Changeable Plug
	V for Changeable Plug

Derating Curve

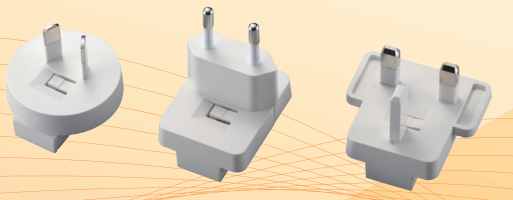


Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Efficiency	Meet DoE Level VI, ErP Stage 2
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 53.5 × W 31.5 × H 74.5 (mm)
Weight	195g (Ref.)



c UL us LISTED POWER SUPPLY 60JJ E225703

Medical

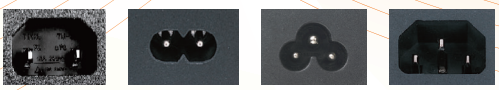
65 Watt Series

Desktop Type

ATM065T - ☐ X X X

P : C6 / C14
A : C8 / C18

O / P Voltage



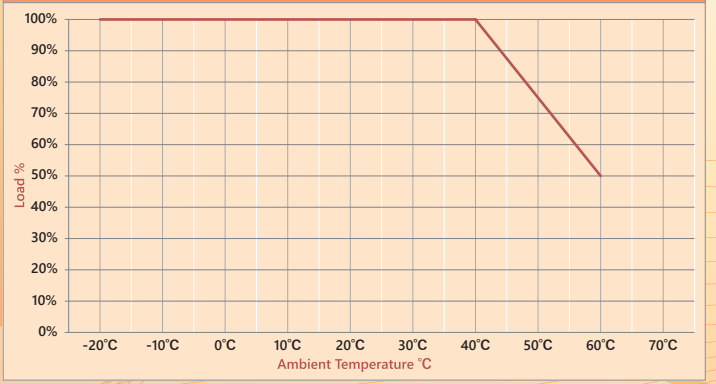
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM065T-☐120	12.0V	5.00A	60W
ATM065T-☐150	15.0V	4.34A	65W
ATM065T-☐180	18.0V	3.62A	65W
ATM065T-☐190	19.0V	3.43A	65W
ATM065T-☐240	24.0V	2.71A	65W
ATM065T-☐300	30.0V	2.17A	65W
ATM065T-☐360	36.0V	1.81A	65W
ATM065T-☐480	48.0V	1.36A	65W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.6A-0.7A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C8, C14, C18

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
Efficiency	Meet DoE Level VI, ErP Stage 2
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 119 × W 60 × H 36 (mm)
Weight	310g (Ref.)

Medical

90 Watt Series

Desktop Type

ATM090A4 - □ X X X

A : C8
G : C6
P : C14

→ O / P Voltage

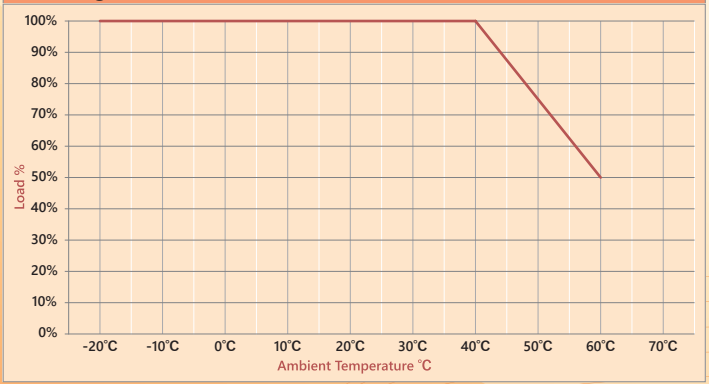
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM090A4-□120	12.0V	7.50A	90.0W
ATM090A4-□150	15.0V	6.00A	90.0W
ATM090A4-□180	18.0V	5.00A	90.0W
ATM090A4-□190	19.0V	4.70A	89.3W
ATM090A4-□240	24.0V	3.75A	90.0W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.2A-0.5A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C8,C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

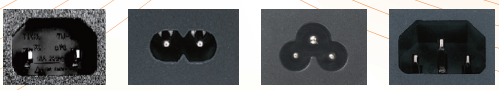
Electrical	
Topology	Switching Flyback
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
Efficiency	Meet DoE Level VI, ErP Stage 2
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40°C
Storage Temperature	-20 to + 80°C
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L133.5 × W53.5 × H33 (mm)
Weight	330g (Ref.)

(Optional)

Medical



120 Watt Series

Desktop Type

ATM120A4 - ☐ X X X

A : C8
E : C18
G : C6
P : C14

O / P Voltage

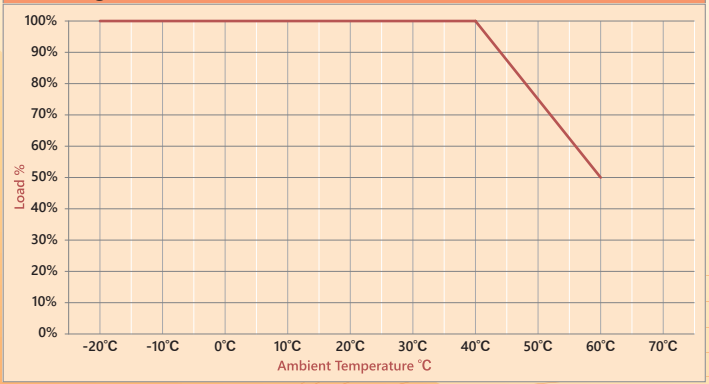
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM120A4-☐120	12.0V	9.00A	108W
ATM120A4-☐150	15.0V	8.00A	120W
ATM120A4-☐180	18.0V	6.67A	120W
ATM120A4-☐190	19.0V	6.30A	120W
ATM120A4-☐240	24.0V	5.00A	120W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.5A-0.7A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C8, C14, C18

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
Efficiency	Meet DoE Level VI, ErP Stage 2
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC, by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 140.5 × W 60 × H 35 (mm)
Weight	390g (Ref.)

(Optional)

Medical

160 Watt Series

Desktop Type

ATM160A4 - P X X X

P : C6 / C14

O / P Voltage

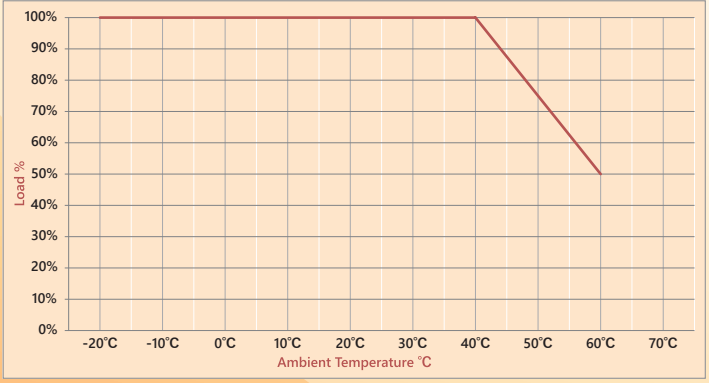
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM160A4-P120	12.0V	12.5A	150.0W
ATM160A4-P240	24.0V	6.6A	158.4W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.8A-0.9A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C14

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
Efficiency	Meet DoE Level VI, ErP Stage 2
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 161 × W 54.2 × H 33.2 (mm)
Weight	520g (Ref.)

Medical

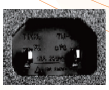
200 Watt Series

Desktop Type

ATM200A4 - □ X X X

P : C14
A : C18

O / P Voltage



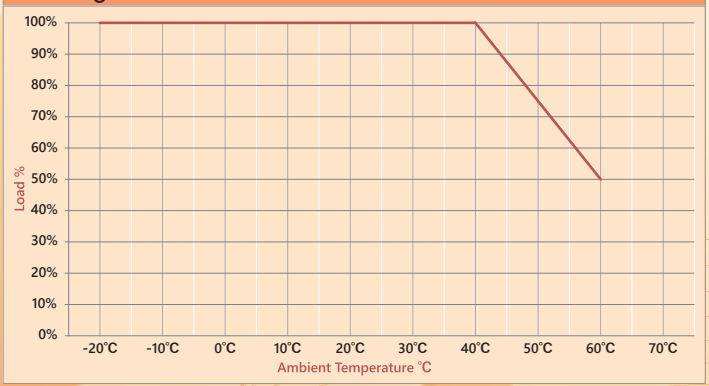
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM200A4-□120	12.0V	16.00A	192W
ATM200A4-□150	15.0V	13.33A	200W
ATM200A4-□190	19.0V	10.50A	200W
ATM200A4-□240	24.0V	8.30A	200W
ATM200A4-□250	25.0V	8.00A	200W
ATM200A4-□480	48.0V	4.17A	200W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.4A-1.0A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14, C18

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
Efficiency	Meet DoE Level VI, ErP Stage 2
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 173 × W 67 × H 32.1 (mm)
Weight	618g (Ref.)

(Optional)

NEW

Medical

240 Watt Series

Desktop Type

ATM240A4 - ☐ X X X

P : C14
A : C18

O / P Voltage

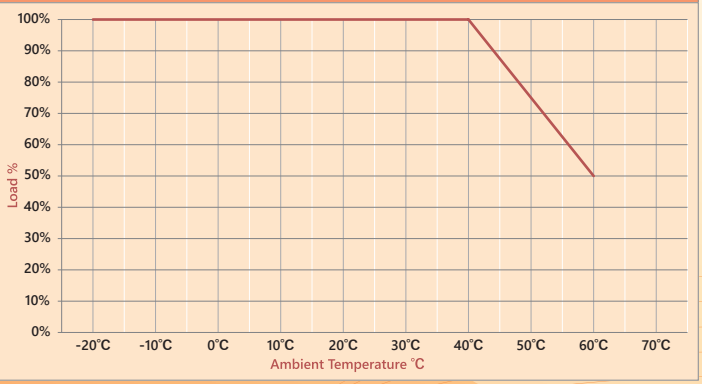
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM240A4-☐120	12.0V	20.00A	240W
ATM240A4-☐150	15.0V	16.00A	240W
ATM240A4-☐190	19.0V	12.63A	240W
ATM240A4-☐240	24.0V	10.00A	240W
ATM240A4-☐480	48.0V	5.00A	240W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.0A-1.0A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14, C18

Derating Curve



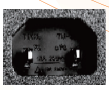
Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
Efficiency	Meet DoE Level VI, ErP Stage 2
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 188 × W 81 × H 39.5 (mm)
Weight	860g (Ref.)

Medical



300 Watt Series

Desktop Type

ATM300A4 - □ X X X

P : C14
A : C18

O / P Voltage

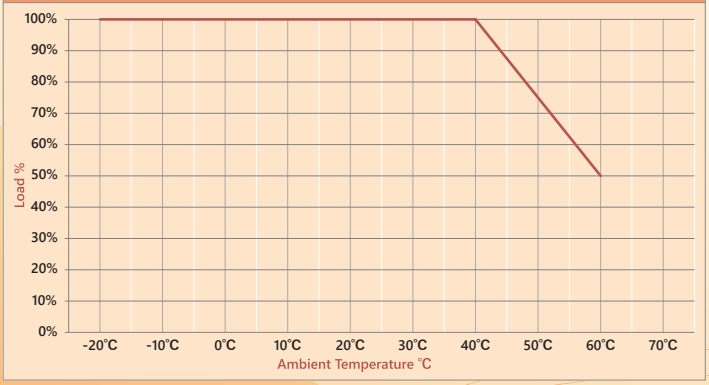
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM300A4-□120	12.0V	24.0A	288W
ATM300A4-□150	15.0V	20.0A	300W
ATM300A4-□240	24.0V	12.5A	300W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.5A-1.5A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14,C18

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
Efficiency	Meet DoE Level VI
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 204 × W 94 × H 43.5 (mm)
Weight	1,110g (Ref.)

(Optional)

NEW

I.T.E.

Medical

600 Watt Series

Desktop Type

ATM600A4 - P X X X

P : C14

O / P Voltage

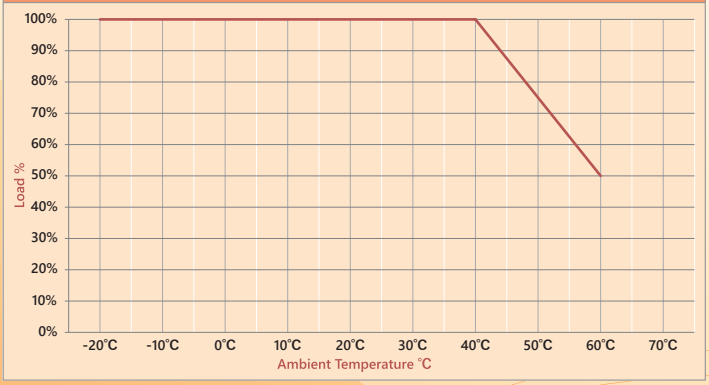
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- 100-240 VAC Universal Input
- Efficiency up to 96%
- Regulated Output with Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM600A4-P120	12.0V	45.00A	540W
ATM600A4-P240	24.0V	25.00A	600W
ATM600A4-P480	48.0V	12.50A	600W
ATM600A4-P560	56.0V	10.71A	600W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	7.0A-2.7A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14

Derating Curve

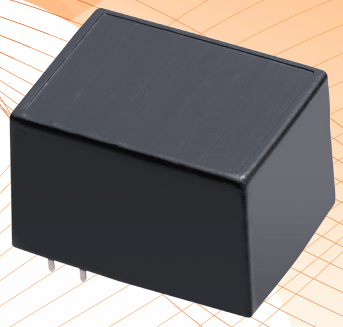


Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,500mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current (Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
EMC Standards	EN55032 / EN55011
	EN61000-3-2,3
	EN55035 / EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 254 × W 119 × H 50.5 (mm)
Weight	2,100g (Ref.)



5 / 12 Watt Power Module Series

ATS005A2 - F X X X P

O / P Voltage

ATS012A3 - F X X X P

O / P Voltage

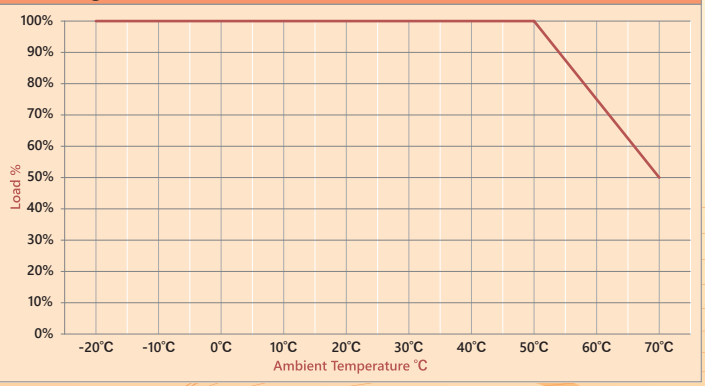
Features :

- IEC/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS005A2-F033P	3.3V	1.25A	4.125W
ATS005A2-F050P	5.0V	1.00A	5.000W
ATS005A2-F120P	12.0V	0.50A	6.000W
ATS005A2-F150P	15.0V	0.33A	4.950W
ATS005A2-F240P	24.0V	0.23A	5.520W
Model	**O/P Voltage**	**O/P Current**	**Watt**
ATS012A3-F033P	3.3V	2.50A	8.25W
ATS012A3-F050P	5.0V	2.00A	10.00W
ATS012A3-F090P	9.0V	1.20A	10.80W
ATS012A3-F120P	12.0V	1.00A	12.00W
ATS012A3-F150P	15.0V	0.80A	12.00W
ATS012A3-F240P	24.0V	0.50A	12.00W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	ATS005A2 : 0.19A Max.
	ATS012A3 : 0.31A Max.
Protection	Internal Primary Current Fuse

Derating Curve

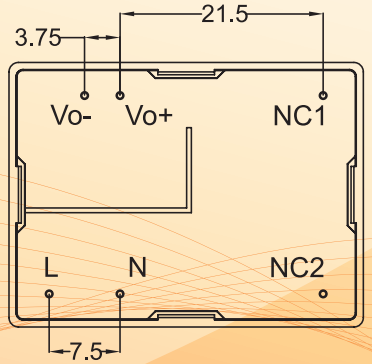


Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS for 50% Load Change Typical
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.25mA
Efficiency	DoE Level VI, ErP Stage 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
MTBF	300,000 Calculated Hours at 25ºC, by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 50ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 37.5 x W 28 x H 21 (mm)
Weight	ATS005A2 : 26g (Ref.)
	ATS012A3 : 40g (Ref.)



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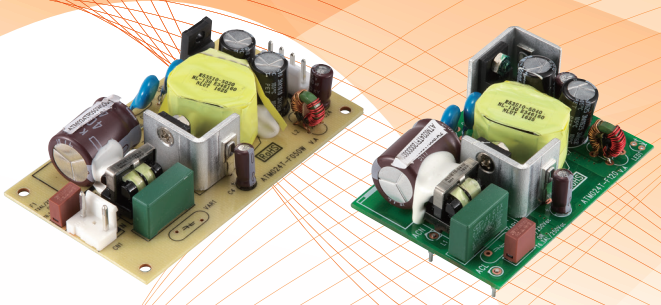
I.T.E.

Medical



Open Frame Power Supply
12 / 24 Watt Series

ATM012T - F X X X

O / P Voltage

ATM024T - F X X X ☐

O / P Voltage

W : Wafer
Blank : 4 Industrial Pins

Features :

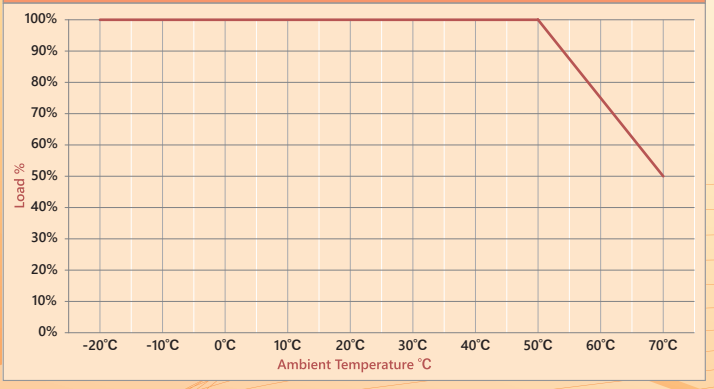
- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- IEC 62368-1
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM012T-F033	3.3V	2.5A	8.25W
ATM012T-F050	5.0V	2.0A	10.00W
ATM012T-F120	12.0V	1.0A	12.00W
ATM012T-F150	15.0V	0.8A	12.00W
ATM012T-F240	24.0V	0.5A	12.00W

Model	O/P Voltage	O/P Current	Watt
ATM024T-F033☐	3.3V	4.5A	14.85W
ATM024T-F050☐	5.0V	4.4A	22.00W
ATM024T-F120☐	12.0V	2.0A	24.00W
ATM024T-F150☐	15.0V	1.6A	24.00W
ATM024T-F240☐	24.0V	1.0A	24.00W
ATM024T-F480☐	48.0V	0.5A	24.00W

Input	
Voltage	100-240 VAC
Line Frequency	50-60Hz
Current	ATM012T : 0.29A-0.17A
	ATM024T : 0.59A-0.32A
Protection	Internal Primary Current Fuse

Derating Curve

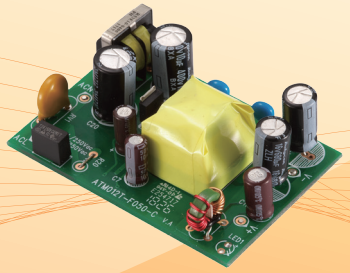


Output	
Load Regulation	± 5% (Typical)
Ripple & Noise	≤ 2% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS for 50% Load Change Typical
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection/ Over Voltage Protection/ Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current(Patient) Leakage Current	< 100μA
Efficiency	Meet DoE Level VI, ErP Stage 2
MTBF	300,000 Calculated Hours at 25ºC, by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 50ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating: 20 to 80% RH
	Storage: 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Dimension	ATM012T-F: L 65 x W 44.7 x H 24 (mm)
	2.56" x 1.76" x 0.95"
	ATM024T-F: L 70 x W 48 x H 26 (mm)
	2.76" x 1.89" x 1"
	ATM024T-F: L 89 x W 51 x H 24 (mm)
	(wafer) 3.5" x 2" x 0.95"
Weight	ATM012T : 42g (Ref.)
	ATM024T : 58g (Ref.)



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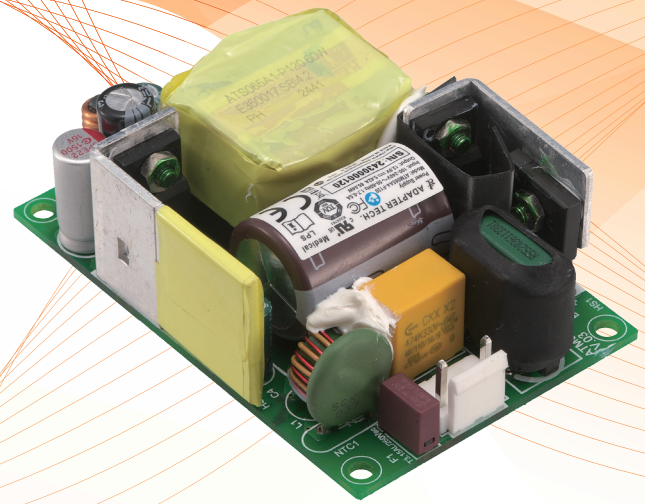
I.T.E.

Medical



Open Frame Power Supply 65 Watt Small Size Series

ATM065A4 - F X X X

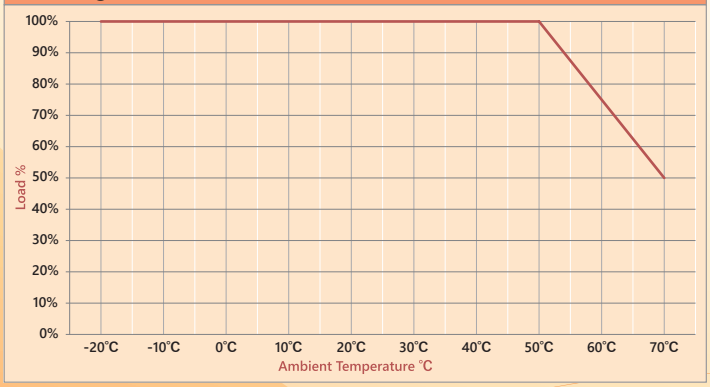
O / P Voltage

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- IEC/UL 62368-1 3rd Edition
- Meet IEC 60335-1
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Medical Version			
Model	O/P Voltage	O/P Current	Watt
ATM065A4-F050	5.0V	10.00A	50W
ATM065A4-F090	9.0V	7.00A	63W
ATM065A4-F120	12.0V	5.42A	65W
ATM065A4-F150	15.0V	4.34A	65W
ATM065A4-F190	19.0V	3.43A	65W
ATM065A4-F240	24.0V	2.71A	65W
ATM065A4-F480	48.0V	1.36A	65W

Derating Curve



Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.7-0.5A
Protection	Internal Primary Current Fuse

Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS for 50% Load Change Typical
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS@ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current(Patient) Leakage Current	< 100μA
Efficiency	Meet DoE Level VI, ErP Stage 2
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

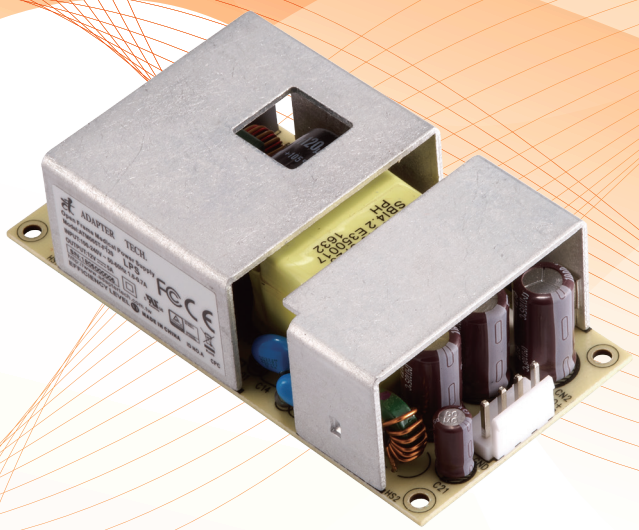
Environmental	
Operating Temperature	-20 to + 50ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	3,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Dimension	L 76 × W 51 × H 24 (mm)
	3" x 2" x 0.94"
Weight	100g (Ref.)

c UL us CB CE FC RoHS

I.T.E.

Medical



Open Frame Power Supply 65 Watt Series

ATM065T - F X X X

O / P Voltage

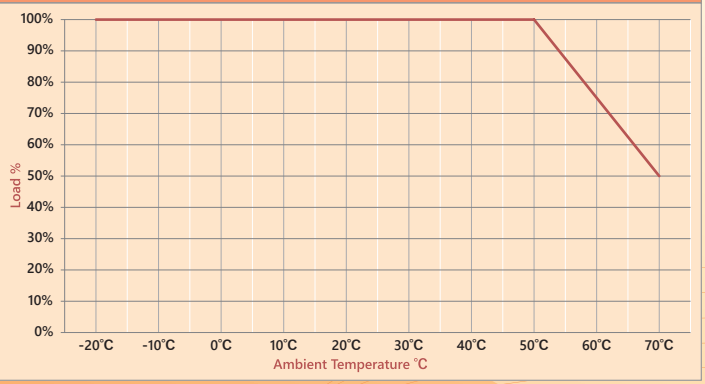
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- IEC/UL 62368-1
- Means of Protection: 2 X MOPP
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM065T-F120	12.0V	5.00A	60W
ATM065T-F150	15.0V	4.34A	65W
ATM065T-F180	18.0V	3.62A	65W
ATM065T-F190	19.0V	3.43A	65W
ATM065T-F240	24.0V	2.71A	65W
ATM065T-F480	48.0V	1.36A	65W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.6A-0.7A
Protection	Internal Primary Current Fuse

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS for 50% Load Change Typical
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS@ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Electrical	
Topology	Switching Flyback
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current(Patient) Leakage Current	< 100μA
Efficiency	Meet DoE Level VI, ErP Stage 2
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

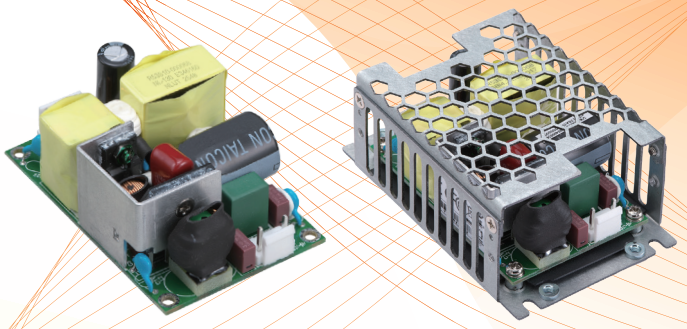
Environmental	
Operating Temperature	-20 to + 50ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Dimension	L 102 × W 51 × H 31 (mm)
	4" x 2" x 1.22"
Weight	141g (Ref.)

NEW

I.T.E.

Medical



Open Frame Power Supply 130 Watt Small Size Series

ATM130A5 - F X X X □

O / P Voltage

Blank : Open Frame
X : Enclosed Type

Features :

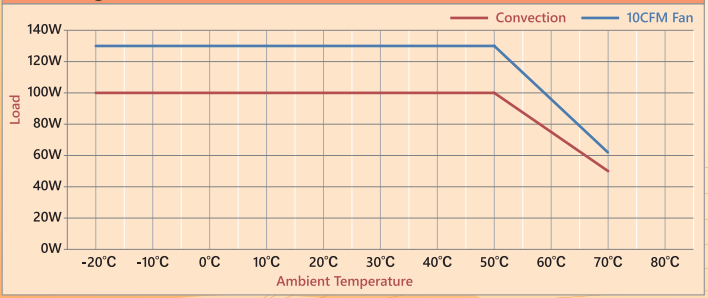
- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- IEC/EN/UL 62368-1 3rd Edition
- Meet IEC60335-1 & IEC61558-1/-2-16
- 100-240VAC Universal Input
- 130W With Fan
- Class I / Class II Available
- Over Voltage Category III (OVC III)
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current		Watt	
		Conve-ction	With Fan*	Conve-ction	With Fan*
ATM130A5-F120□	12.0V	8.33A	10.83A	99.96W	129.96W
ATM130A5-F240□	24.0V	4.17A	5.42A	100.10W	130.10W
ATM130A5-F480□	48.0V	2.09A	2.71A	100.30W	130.10W
ATM130A5-F540□	54.0V	1.86A	2.41A	100.40W	130.10W
ATM130A5-F560□	56.0V	1.80A	2.33A	100.80W	130.50W

*With 10 CFM Fan

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.6A-0.7A.
Protection	Internal Primary Current Fuse

Derating Curve



Output	
Load Regulation	±3% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS for 50% Load Change Typical
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS@ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Leakage Current	< 5mA
Touch Current(Patient) Leakage Current	< 100μA
Efficiency	Meet DoE Level VII, ErP Stage 2
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 50ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	100W with Convection Cooling
	130W with Forced Cooling

Mechanical	
Dimension	Open Type : L 76.2 × W 50.8 × H 28 (mm)
	3" x 2" x 1.11"
	Enclosed Type : L 95 × W 62 × H 37 (mm)
	3.74" x 2.45" x 1.46"
Weight	Open Type : 120g (Ref.)
	Enclosed Type : 210g (Ref.)

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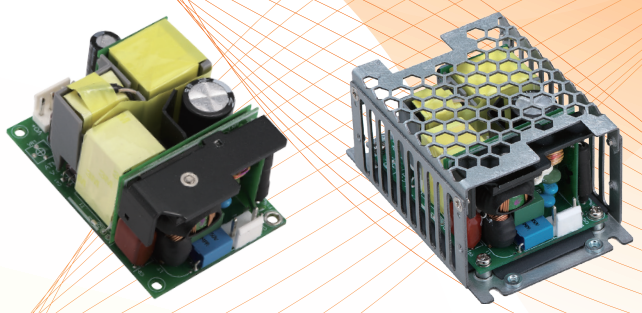
NEW

I.T.E.

Medical



Open Frame Power Supply 200 Watt Small Size Series

ATM200A5 - F X X X □

O / P Voltage

Blank : Open Frame
X : Enclosed Type

Features :

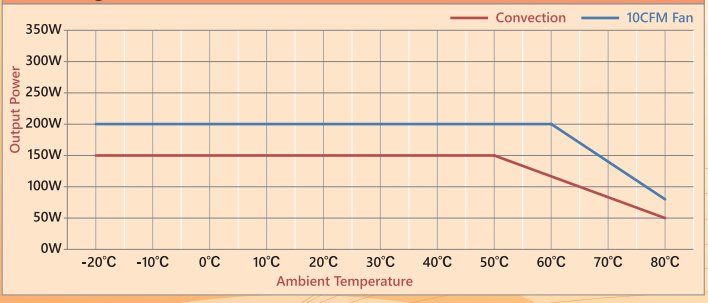
- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- IEC/EN/UL 62368-1
- Meet IEC60335-1 & IEC61558-1/-2-16
- 100-240VAC Universal Input
- 200W With Fan
- Class I / Class II Available
- Over Voltage Category III (OVC III)
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current		Watt	
		Conve-ction	With Fan*	Conve-ction	With Fan*
ATM200A5-F120□	12.0V	12.50A	16.67A	150.0W	200.00W
ATM200A5-F240□	24.0V	6.25A	8.34A	150.0W	200.16W
ATM200A5-F480□	48.0V	3.13A	4.17A	150.2W	200.20W
ATM200A5-F540□	54.0V	2.78A	3.71A	150.1W	200.30W
ATM200A5-F560□	56.0V	2.68A	3.58A	150.1W	200.50W

*With 10 CFM Fan

Input	
Voltage	100-240VAC
Line Frequency	47-63Hz
Current	2.55A-1.15A
Protection	Internal Primary Current Fuse

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS for 50% Load Change Typical
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS@ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

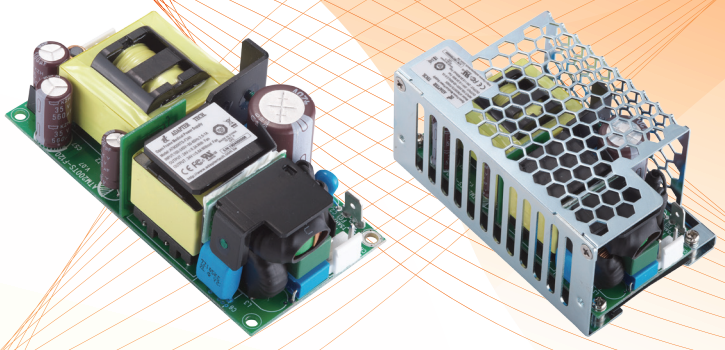
Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current(Patient) Leakage Current	< 100μA
Leakage Current	< 5mA
Efficiency	Meet DoE Level VII, ErP Stage 2
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 50ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	150W with Convection Cooling
	200W with Forced Cooling

Mechanical	
Dimension	Open Type : L 76.2 × W 50.8 × H 38.1 (mm)
	3" x 2" x 1.5"
	Enclosed Type : L 95 × W 62 × H 44 (mm)
	3.74" x 2.44" x 1.73"
Weight	Open Type : 175g (Ref.)
	Enclosed Type : 265g (Ref.)

I.T.E.

Medical



Open Frame Power Supply 200 Watt Small Size Series

ATM200TS - F X X X □

O / P Voltage

Blank : Open Frame
X : Enclosed Type

Features :

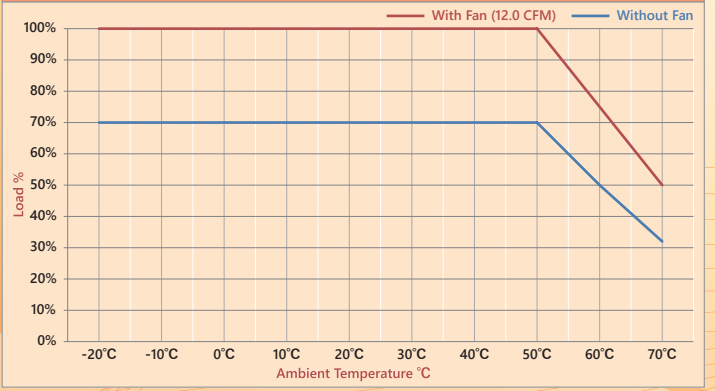
- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection : 2 X MOPP
- IEC/EN/UL 62368-1
- 100-240VAC Universal Input
- 200W With Fan
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current		Watt	
		Conve-ction	With Fan*	Conve-ction	With Fan*
ATM200TS-F120□	12.0V	11.6A	16.0A	140W	192W
ATM200TS-F150□	15.0V	9.3A	13.0A	140W	195W
ATM200TS-F240□	24.0V	5.8A	8.3A	140W	200W
ATM200TS-F360□	36.0V	3.9A	5.5A	140W	200W
ATM200TS-F480□	48.0V	2.9A	4.2A	140W	200W

*With 12 CFM Fan

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.5A-1A
Protection	Internal Primary Current Fuse

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS for 50% Load Change Typical
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS@ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current(Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
Efficiency	Meet DoE Level VI, ErP Stage 2
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 50ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	140W with Convection Cooling
	200W with Forced Cooling

Mechanical	
Dimension	Open Type：L 101.6 × W 50.8 × H 36.1 (mm)
	4” x 2” x 1.42”
	Enclosed Type：L 103.4 × W 62 × H 42.9 (mm)
	4.07” x 2.44” x 1.69”
Weight	Open Type：284g (Ref.)
	Enclosed Type：306g (Ref.)

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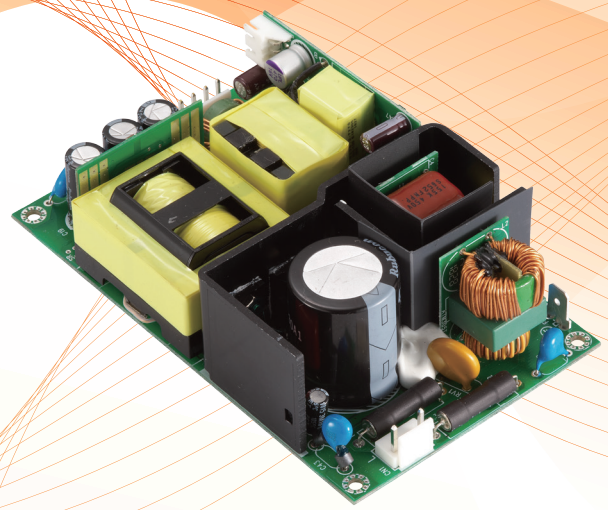
I.T.E.

Medical



Open Frame Dual Output 210 Watt Series

ATM210T - F X X X

O / P Voltage

Features :

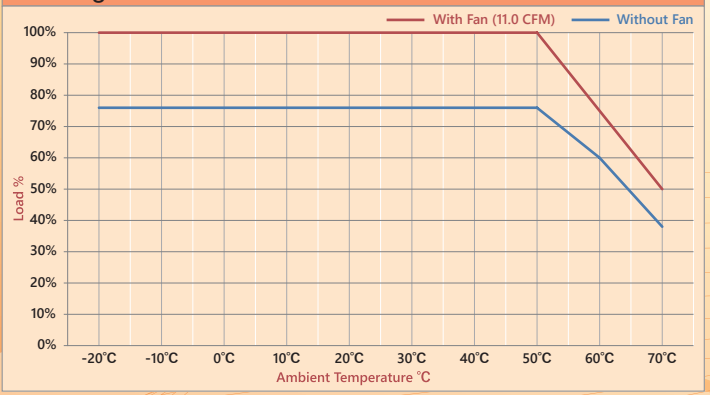
- IEC/ANSI/AAMI ES60601-1 (Edition 3.1)
- Means of Protection : 2 X MOPP
- IEC 60950-1
- 100-240VAC Universal Input
- 210W With Fan
- Standby 5V / 2A
- On & Off Remote Control
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current		Watt	
		Conve-ction	With Fan*	Conve-ction	With Fan*
ATM210T-F120	12V	12.5A	16.7A	160W	210W
	5V	2.0A			
ATM210T-F240	24V	6.25A	8.3A	160W	210W
	5V	2.0A			

*With 11 CFM Fan

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.5A-1A
Protection	Internal Primary Current Fuse

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS for 50% Load Change Typical
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS@ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current(Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
Efficiency	Meet DoE Level VI, ErP Stage 2
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 50ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	160W with Convection Cooling
	210W with Forced Cooling

Mechanical	
Dimension	L 127 × W 76.2 × H 38.1 (mm)
	5" x 3" x 1.5"
Weight	360g (Ref.)

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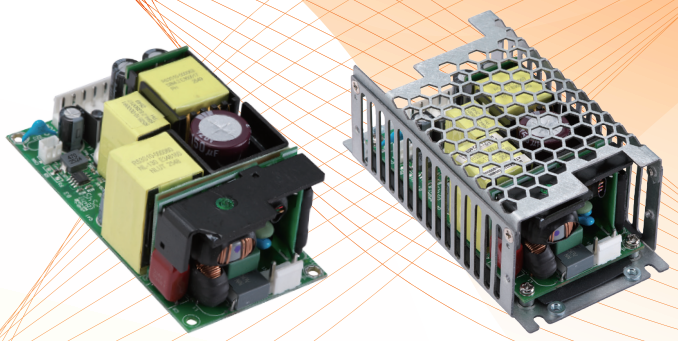
Medical

Open Frame Power Supply 300 Watt Small Size Series



ATM300A5 - F X X □ □

- O / P Voltage
- 0 : Standard Version
- 1 : With Extra Function
- Blank : Open Frame
- X : Enclosed Type

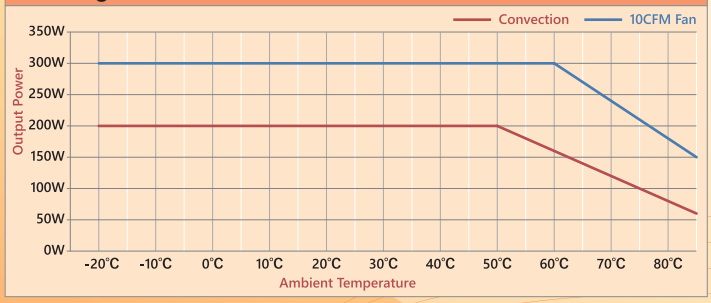
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- IEC/EN/UL 62368-1
- Meet IEC60335-1 & IEC61558-1/-2-16
- 100-240VAC Universal Input
- 300W With Fan
- Extra Function(Optional): 5V Standby / 12V Fan Power / Remote Control / DC Power Good / V-Trim / Remote Sense
- Class I / Class II Available
- Over Voltage Category III (OVC III)
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current		O/P	Watt	
		Conve-ction	With Fan*	For Fan	Conve-ction	With Fan*
ATM300A5-F12□□	12.0V	16.70A	25.00A	12V/0.5A	200.4W	300.0W
ATM300A5-F24□□	24.0V	8.40A	12.50A	12V/0.5A	201.6W	300.0W
ATM300A5-F36□□	36.0V	5.60A	8.40A	12V/0.5A	201.6W	302.4W
ATM300A5-F48□□	48.0V	4.20A	6.30A	12V/0.5A	201.6W	302.4W
ATM300A5-F54□□	54.0V	3.73A	5.60A	12V/0.5A	201.4W	302.4W
ATM300A5-F56□□	56.0V	3.60A	5.40A	12V/0.5A	201.6W	302.4W

*With 10 CFM Fan

Derating Curve



Input	
Voltage	100-240VAC
Line Frequency	47-63Hz
Current	2.5A-1A.
Protection	Internal Primary Current Fuse

Output	
Load Regulation	±3% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS for 50% Load Change Typical
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS@ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

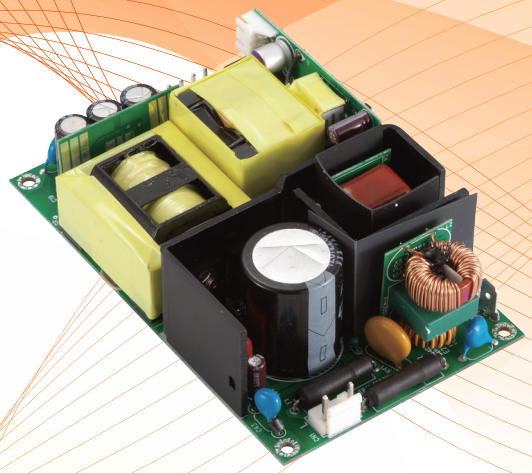
Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current(Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
Efficiency	Meet DoE Level VII, ErP Stage 2
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 50ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	200W with Convection Cooling
	300W with Forced Cooling

Mechanical	
Dimension	Open Type : L 101.6 × W 50.8 × H 38.1 (mm)
	4" x 2" x 1.5"
	Enclosed Type : L 120.5 × W 59.8 × H 43.9 (mm)
	4.75" x 2.36" x 1.73"
Weight	Open Type : 240g (Ref.)
	Enclosed Type : 356g (Ref.)

I.T.E.

Medical



Open Frame Dual Output 305 Watt Series

ATM305T - F X X X

O / P Voltage

Features :

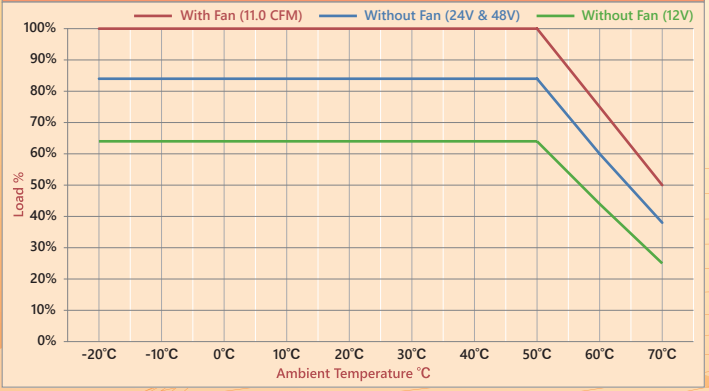
- IEC/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection : 2 X MOPP
- IEC/UL 62368-1
- 100-240VAC Universal Input
- 305W With Fan
- Standby 5V / 1A
- On & Off Remote Control
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current		Watt	
		Conve-ction	With Fan*	Conve-ction	With Fan*
ATM305T-F120	12V	16.0A	25.0A	197W	305W
	5V	1.0A			
ATM305T-F240	24V	10.4A	12.5A	255W	305W
	5V	1.0A			
ATM305T-F480	48V	5.2A	6.25A	255W	305W
	5V	1.0A			

*With 11 CFM Fan

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.6A-1.6A
Protection	Internal Primary Current Fuse

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS for 50% Load Change Typical
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS@ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current(Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 50ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	ATM305T-F120: 197W with Convection Cooling
	ATM305T-F240: 255W with Convection Cooling
	ATM305T-F480: 255W with Convection Cooling
	305W with Forced Cooling

Mechanical	
Dimension	L 127 × W 76 × H 38 (mm)
	5" x 3" x 1.5"
Weight	350g (Ref.)

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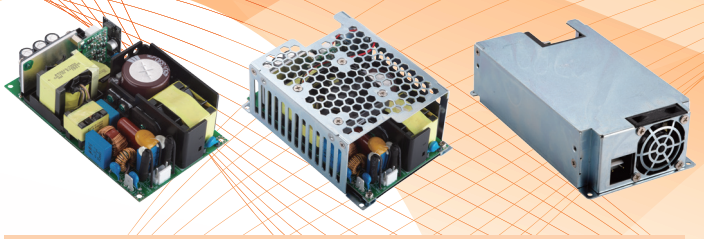
I.T.E.

Medical



Open Frame Dual Output 450 Watt Series

ATM450S - F X X X □

O / P Voltage

Blank : Open Frame
X : Enclosed Type Without Fan
Y : Enclosed Type With Top Fan
Z : Enclosed Type With Side Fan

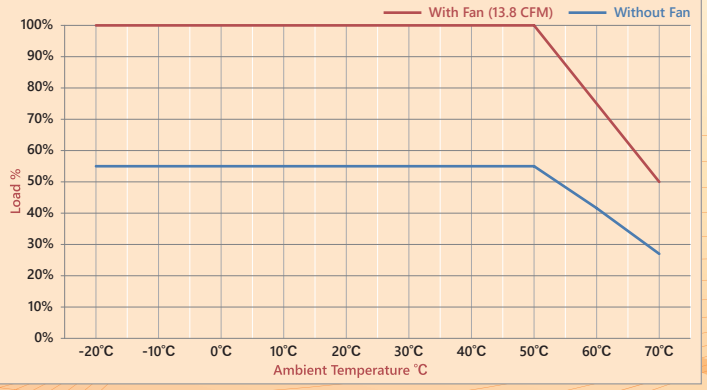
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection : 2 X MOPP
- IEC/EN/UL 62368-1
- 100-240VAC Universal Input
- 450W With Fan
- Standby 5V / 1A
- On & Off Remote Control
- 12V / 0.6A Output for Fan
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current		O/P for Fan	Watt	
		Conve-ction	With Fan*		Conve-ction	With Fan*
ATM450S-F120□	12.0V	20.8A	37.5A	12V /0.6A	260W	462W
	5V	1.0A				
ATM450S-F150□	15.0V	16.6A	30.0A	12V /0.6A	260W	462W
	5V	1.0A				
ATM450S-F190□	19.0V	13.0A	23.7A	12V /0.6A	260W	462W
	5V	1.0A				
ATM450S-F240□	24.0V	10.4A	18.8A	12V /0.6A	260W	463W
	5V	1.0A				
ATM450S-F360□	36.0V	6.9A	12.5A	12V /0.6A	260W	462W
	5V	1.0A				
ATM450S-F480□	48.0V	5.2A	9.4A	12V /0.6A	260W	463W
	5V	1.0A				
ATM450S-F540□	54.0V	4.6A	8.3A	12V /0.6A	260W	460W
	5V	1.0A				
ATM450S-F560□	56.0V	4.5A	8.0A	12V /0.6A	260W	460W
	5V	1.0A				

*With 13.8 CFM Fan

Derating Curve



Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	5.3A-2.2A
Protection	Internal Primary Current Fuse

Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤2% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS for 50% Load Change Typical
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS@ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current(Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 50ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	250W with Convection Cooling
	450W with Forced Cooling

Mechanical	
Dimension	Open Frame : L 127 × W 76 × H 34 (mm)
	5" x 3" x 1.34"
	Enclosed Type : L 127 × W 87 × H 50 (mm)
	(Top Fan) 5" x 3.43" x 1.97"
	Enclosed Type : L 148 × W 80 × H 41 (mm)
	(Side Fan) 5.83" x 3.15" x 1.62"
Weight	Open Frame : 390g (Ref.)
	Enclosed Type(Top Fan) : 570g (Ref.)
	Enclosed Type(Side Fan) : 660g (Ref.)

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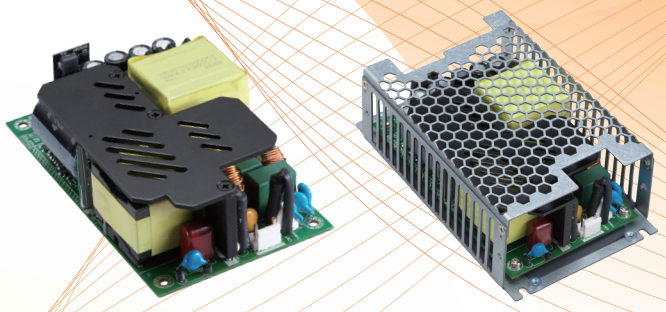


Open Frame Dual Output 600 Watt Series

ATM600A5 - F X X X □

O / P Voltage

Blank : Open Frame
X : Enclosed Type

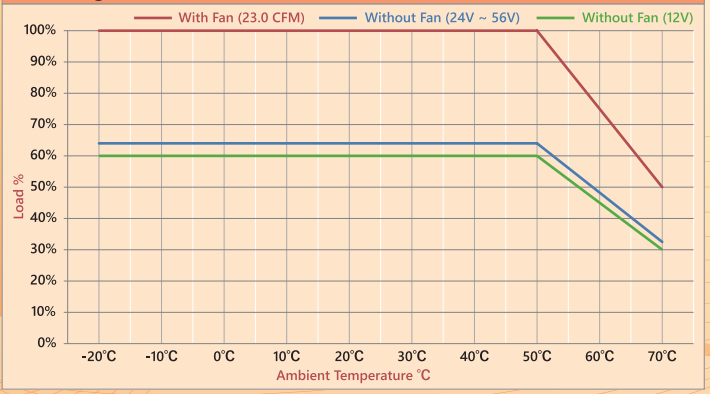
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection : 2 X MOPP
- IEC/EN/UL 62368-1
- Meet IEC60335-1 & IEC61558-1/-2-16
- 100-240VAC Universal Input
- 600W With Fan
- 12V / 0.6A Output for Fan
- Efficiency up to 95%
- Over Voltage Category III (OVC III)
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current		O/P for Fan	Watt	
		Conve-ction	With Fan*		Conve-ction	With Fan*
ATM600A5-F120□	12.0V	30.00A	50.00A	12V /0.6A	360W	600W
ATM600A5-F240□	24.0V	16.70A	25.00A	12V /0.6A	400W	600W
ATM600A5-F480□	48.0V	8.34A	12.50A	12V /0.6A	400W	600W
ATM600A5-F540□	54.0V	7.41A	11.12A	12V /0.6A	400W	600W
ATM600A5-F560□	56.0V	7.16A	10.73A	12V /0.6A	400W	600W

*With 23 CFM Fan

Derating Curve



Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	7.0A-2.7A
Protection	Internal Primary Current Fuse

Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS for 50% Load Change Typical
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS@ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current(Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 50ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	400W (12V 360W) with Convection Cooling
	600W with Forced Cooling

Mechanical	
Dimension	Open Frame : L 127 × W 76 × H 41.6 (mm)
	5" x 3" x 1.64"
	Enclosed Type : L 146 × W 87.5 × H 48 (mm)
	5.75" x 3.45" x 1.89"
Weight	Open Frame : 468g (Ref.)
	Enclosed Type : 636g (Ref.)

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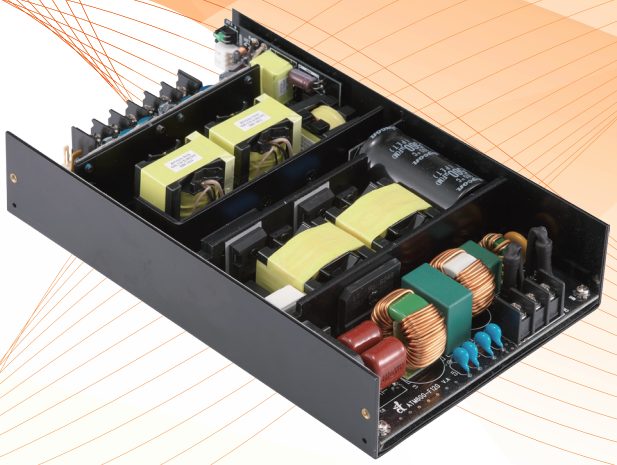
I.T.E.

Medical



Open Frame Power Supply 612 Watt Series

ATM600 - F X X X

O / P Voltage

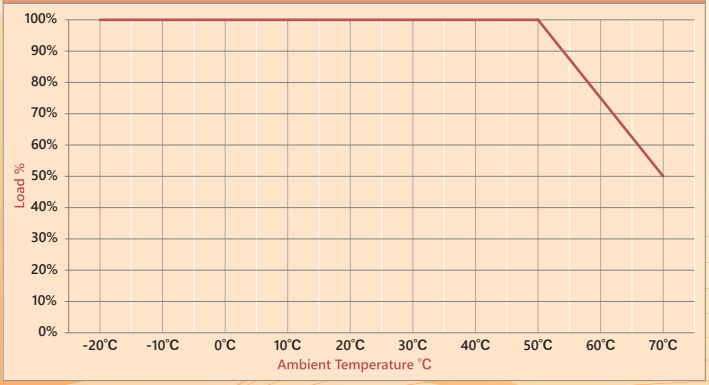
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection : 2 X MOPP
- IEC/EN/UL 62368-1
- 100-240VAC Universal Input
- Standby 5V / 1A
- On & Off Remote Control
- Efficiency up to 95%
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Standby	O/P for Fan	Watt
ATM600-F120	12.0V	50.0A	5V / 1A	12V / 0.6A	612W
ATM600-F240	24.0V	25.0A	5V / 1A	12V / 0.6A	612W
ATM600-F360	36.0V	16.6A	5V / 1A	12V / 0.6A	612W
ATM600-F480	48.0V	12.5A	5V / 1A	12V / 0.6A	612W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	7.0A-2.7A
Protection	Internal Primary Current Fuse

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS for 50% Load Change Typical
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS@ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current(Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

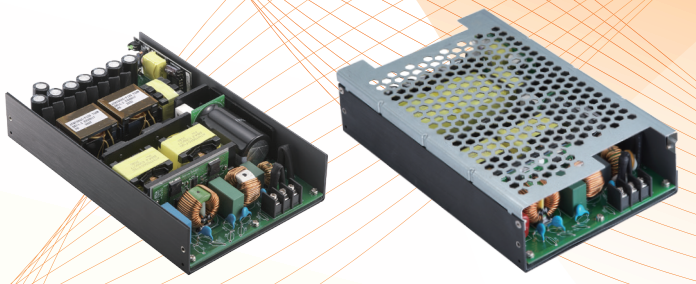
Environmental	
Operating Temperature	-20 to + 50ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Dimension	L 203 × W 127 × H 40 (mm)
	8" x 5" x 1.58"
Weight	1,100g (Ref.)

NEW

I.T.E.

Medical



Open Frame Power Supply 750 Watt Series

ATM750A5 - □ X X X □

F : Class I
H : Class II
O / P Voltage

Blank : Open Frame
X : Enclosed Type

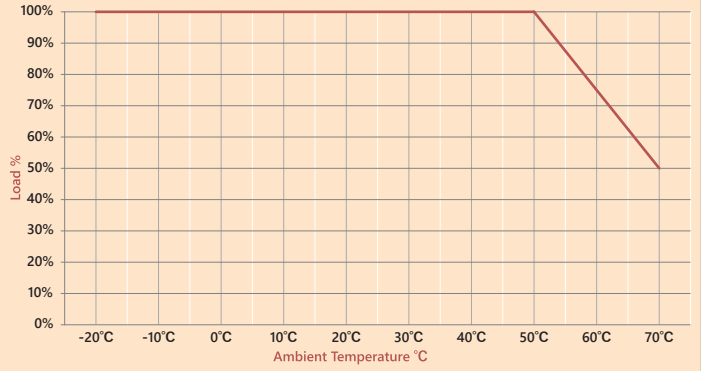
Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection : 2 X MOPP
- IEC/EN/UL 62368-1
- Meet IEC60335-1 & IEC61558-1/-2-16
- 100-240VAC Universal Input
- Standby 5V / 2A
- On & Off Remote Control
- Efficiency up to 96%
- Over Voltage Category III (OVC III)
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Standby	Watt
ATM750A5-□120□	12.0V	62.50A	5V / 2A	760W
ATM750A5-□240□	24.0V	31.25A	5V / 2A	760W
ATM750A5-□360□	36.0V	20.83A	5V / 2A	760W
ATM750A5-□480□	48.0V	15.62A	5V / 2A	760W
ATM750A5-□540□	54.0V	13.88A	5V / 2A	760W
ATM750A5-□560□	56.0V	13.40A	5V / 2A	760W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	9.3A-3.2A
Protection	Internal Primary Current Fuse

Derating Curve



Output	
Load Regulation	±5% (Typical)
Ripple & Noise	≤1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS for 50% Load Change Typical
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS@ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current(Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 50ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Dimension	Open Frame : L 203 × W 127 × H 40 (mm)
	8" x 5" x 1.58"
	Enclosed Type : L 203 × W 127 × H 49.8 (mm)
	8" x 5" x 1.96"
Weight	Open Frame : 1,300g (Ref.)
	Enclosed Type : 1,415g (Ref.)

NEW

I.T.E.

Medical

Open Frame Power Supply 1000 Watt Series

ATM1000A5 - F X X X

O / P Voltage

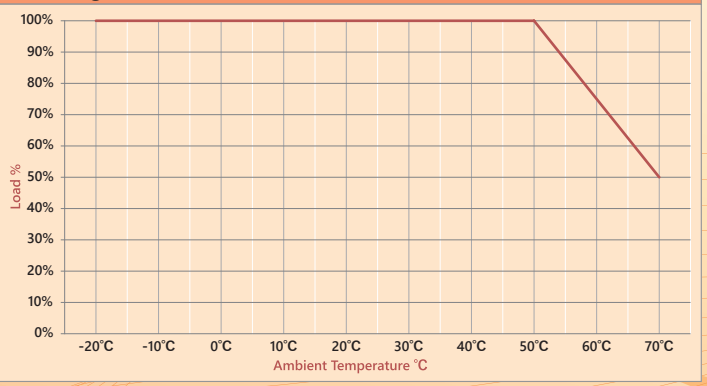
Features :

- Meet IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- Meet EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection : 2 X MOPP
- Meet IEC/EN/UL 62368-1
- Meet IEC60335-1 & IEC61558-1/-2-16
- 100-240VAC Universal Input
- Standby 5V / 2A
- On & Off Remote Control
- Efficiency up to 94%
- Over Voltage Category III (OVC III)
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Standby	Watt
ATM1000A5-F120	12.0V	80.00A	5V / 2A	970W
ATM1000A5-F240	24.0V	41.66A	5V / 2A	1010W
ATM1000A5-F480	48.0V	20.83A	5V / 2A	1010W
ATM1000A5-F540	54.0V	18.51A	5V / 2A	1010W
ATM1000A5-F560	56.0V	17.85A	5V / 2A	1010W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	10.0A-5.0A
Protection	Internal Primary Current Fuse

Derating Curve



Output	
Load Regulation	±3% (Typical)
Ripple & Noise	≤1% Vp-p @ Full Load
Transient(Dynamic) Response	0.5mS for 50% Load Change Typical
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS@ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current(Patient) Leakage Current	< 100μA
Earth Leakage Current	< 5mA
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 50ºC
Storage Temperature	-20 to + 80ºC
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Cooling

Mechanical	
Dimension	L 235 × W 140.5 × H 50 (mm)
	9.26" x 5.54" x 1.99"
Weight	1,950g (Ref.)

Defense Power Supply

65W Type-C Power Delivery

Features :
- MIL-STD-461 CE101/CE102/CS115/RE102 Army EMI Standard Solution
- P.D. 3.0 / QC 4.0+ / QC 4.0
- IP67 Dust/Water Proof Solution

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.85A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14

O/P Voltage	O/P Current	Watt
5.0V	3.00A	15.0W
9.0V	3.00A	27.0W
12.0V	3.00A	36.0W
15.0V	3.00A	45.0W
20.0V	3.25A	65.0W

Mechanical	
Case Dimension	L 153.4 x W 60.6 x H 40.6 (mm)

90W & 200W

Features :
- Meet MIL-STD-461 CE101/CE102/RE102 Army EMI Standard
- Application : Military Rugged Laptop

O/P Voltage	O/P Current	Watt
19.0V	4.74A	90W
19.0V	10.50A	200W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	90W : 1.2A Max.
	200W : 2.8A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14

Output	
Load Regulation	±5% (Typical)
Ripple & Noise	90W : < 1% Vp-p Max. for Output Voltage@ Full Load
	200W : < 2% Vp-p Max. for Output Voltage@ Full Load
Transient(Dynamic) Response	0.5mS for 50% Load Change Typical
Hold-up Time	≥ 10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection *Over Temperature Protection (200W)

Mechanical	
Case Dimension	90W : L 151 x W 64 x H 36 (mm)
	200W : L 204 x W 81 x H 42.5 (mm)

600W 1U Rack Mount Power Supply

Features :
- 100-240VAC Universal Input
- 1U Low Profile
- Fan Error Detection
- AC Power Good Detection
- I^2C Monitoring Output
- Application : Satellite Positioner

O/P Voltage	O/P Current	Watt
12.0V	29.17A	600W
24.0V	10.42A	

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	7.5A Max.

Mechanical	
Dimension	L 280.4 x W 102.5 x H 40.6 (mm)
Weight	1,200g (Ref.)

Adjustable 500W Power Supply

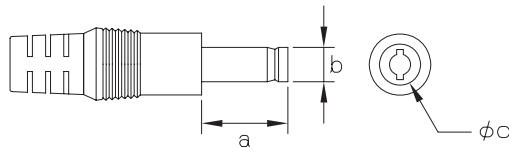
Features :
- 100-240VAC Universal Input
- GaN FET Based Design
- I^2C Interface for Output Programming and Monitoring
- Adjustable Constant Current/ Constant Voltage Mode
- AC Power Good Detection
- Application : Battery Charger System

O/P Voltage	O/P Current	Watt
Adjustable CV 12.0V ~ 59.0V	Adjustable CC 0 ~ 8.5A	500W Max.

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	7A Max.

Mechanical	
Dimension	L 212.5 x W 108 x H 41.6 (mm)
Weight	1,060g (Ref.)

Output Plug Types



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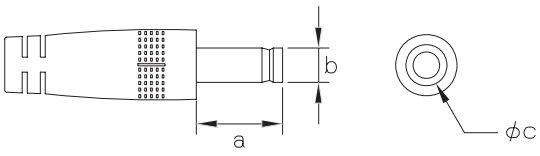

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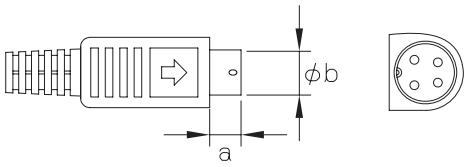

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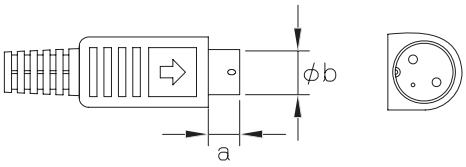
OP-03	6	12



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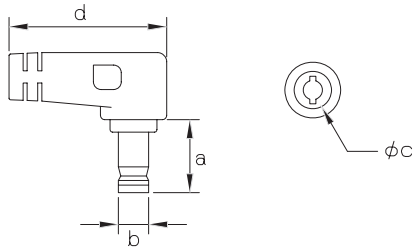

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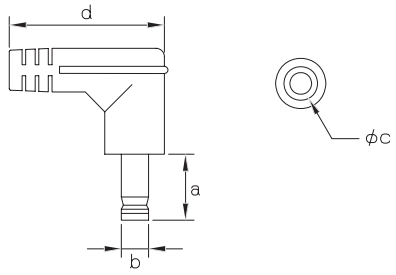
OP-05	9.5	5.5	2.1	18.5



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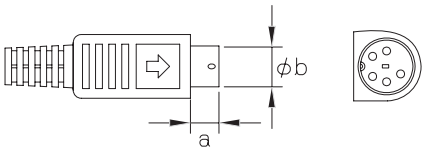

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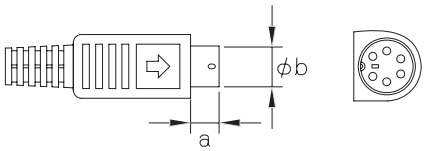
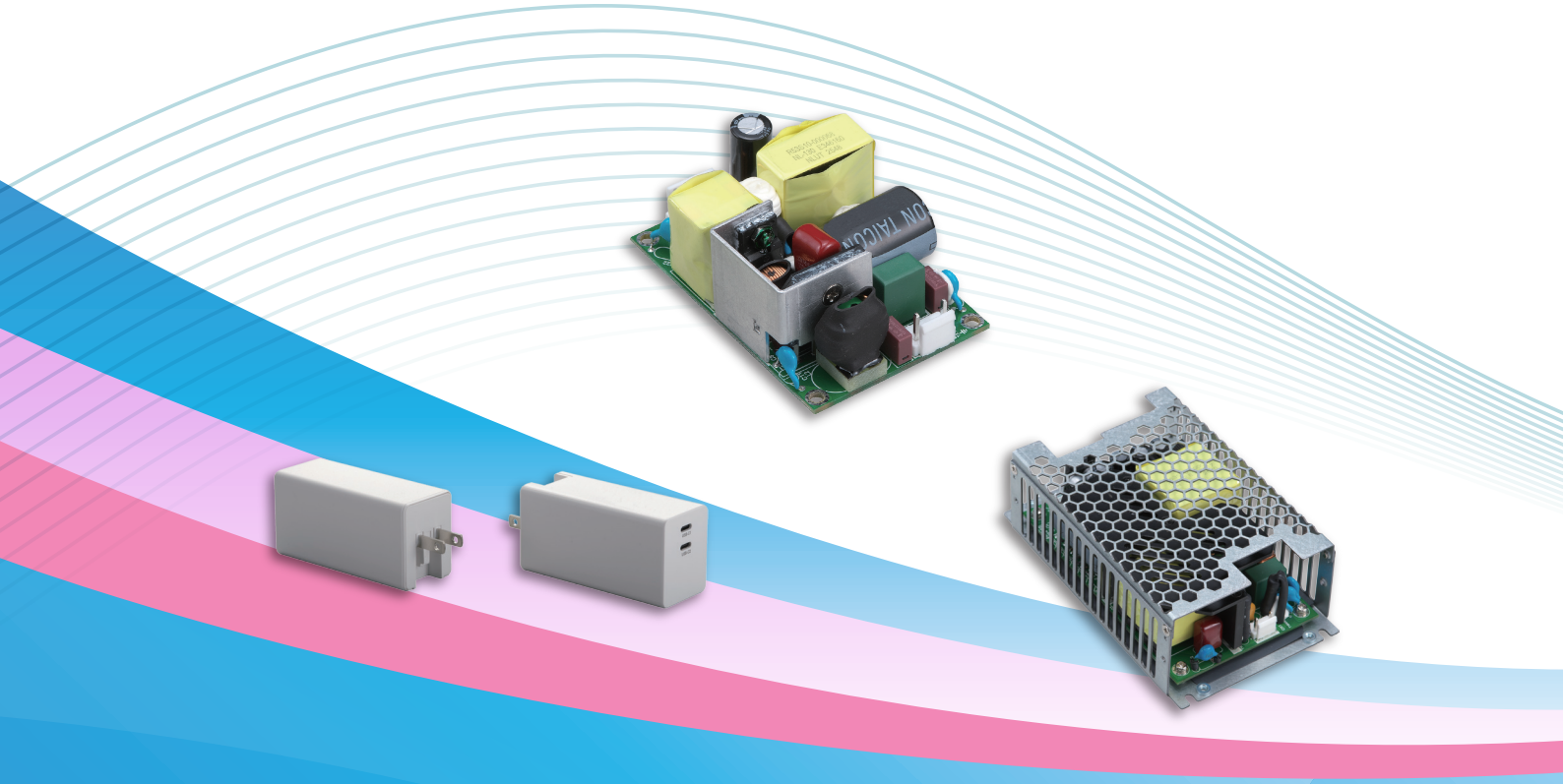


TYPE	a	b
OP-08	6	12

D/C : 2601



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