

NEW

I.T.E.

Medical



600 Watt Series

Desktop Type

ATM600A4 - P X X X

P : C14 ← → O / P Voltage



Features :

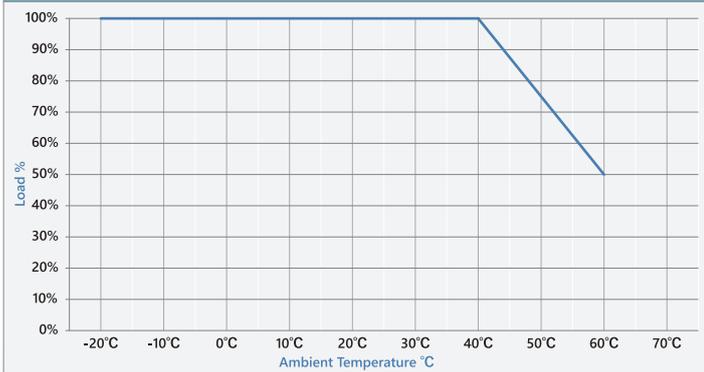
- IEC/EN/UL 62368-1 3rd Edition
- 100-240 VAC Universal Input
- Efficiency up to 96%
- Regulated Output with Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

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



NEW

Medical



240 Watt Series

Desktop Type

ATM240A4 - □ X X X

P : C14 ← □ → O / P Voltage
A : C18



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

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

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

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 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 188 × W 81 × H 39.5 (mm)
Weight	860g (Ref.)

NEW

I.T.E.

Medical



600 Watt Series

Desktop Type

ATM600A4 - P X X X

P : C14 ← → O / P Voltage

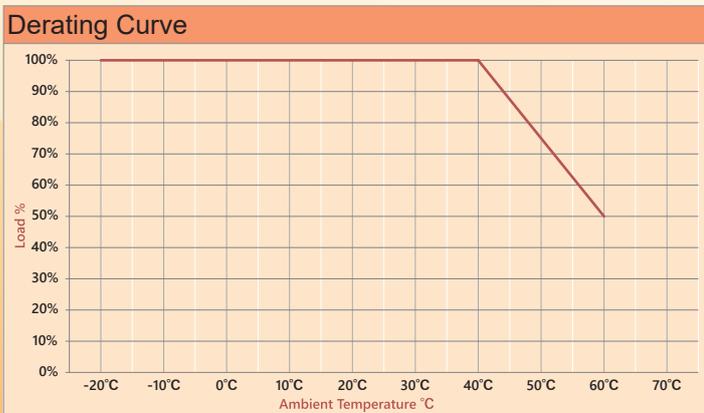


Features :

- 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



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 25°C , by Telcordia SR-332

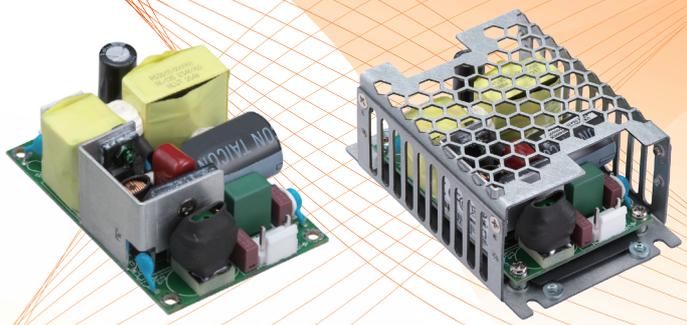
Environmental	
Operating Temperature	-20 to + 40°C
Storage Temperature	-20 to + 80°C
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

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

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

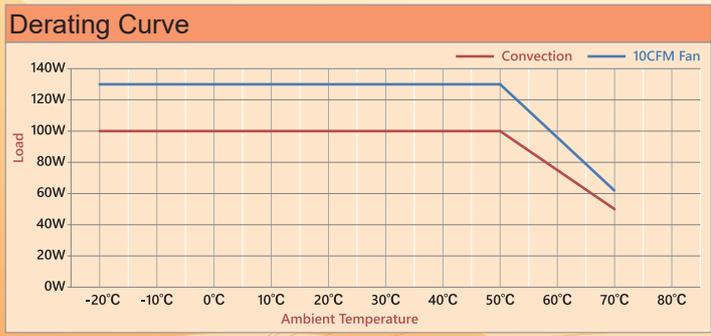
Model	O/P Voltage	O/P Current		Watt	
		Convection	With Fan*	Convection	With Fan*
ATM130A5-F120 <input type="checkbox"/>	12.0V	8.33A	10.83A	99.96W	129.96W
ATM130A5-F240 <input type="checkbox"/>	24.0V	4.17A	5.42A	100.10W	130.10W
ATM130A5-F480 <input type="checkbox"/>	48.0V	2.09A	2.71A	100.30W	130.10W
ATM130A5-F540 <input type="checkbox"/>	54.0V	1.86A	2.41A	100.40W	130.10W
ATM130A5-F560 <input type="checkbox"/>	56.0V	1.80A	2.33A	100.80W	130.50W

*With 10 CFM Fan

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 25°C , by Telcordia SR-332

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

Environmental	
Operating Temperature	-20 to + 50°C
Storage Temperature	-20 to + 80°C
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

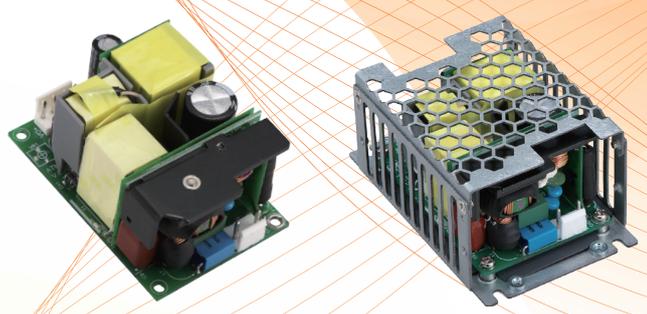


Mechanical	
Dimension	Open Type : L 76.2 × W 50.8 × H 28 (mm) 3" x 2" x 1.11"
	Enclosed Type : L 95 × W 62 × H 37 (mm) 3.74" x 2.45" x 1.46"
Weight	Open Type : 120g (Ref.)
	Enclosed Type : 210g (Ref.)

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

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

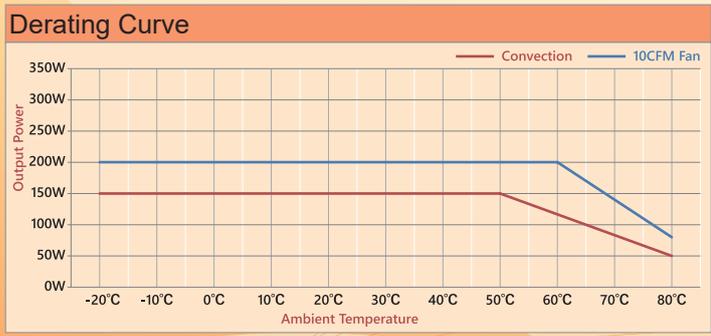
Model	O/P Voltage	O/P Current		Watt	
		Convection	With Fan*	Convection	With Fan*
ATM200A5-F120□	12.0V	12.50A	16.67A	150.0W	200.00W
ATM200A5-F240□	24.0V	6.25A	8.34A	150.0W	200.16W
ATM200A5-F480□	48.0V	3.13A	4.17A	150.2W	200.20W
ATM200A5-F540□	54.0V	2.78A	3.71A	150.1W	200.30W
ATM200A5-F560□	56.0V	2.68A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

*With 10 CFM Fan

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 25°C , by Telcordia SR-332

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

Environmental	
Operating Temperature	-20 to + 50°C
Storage Temperature	-20 to + 80°C
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

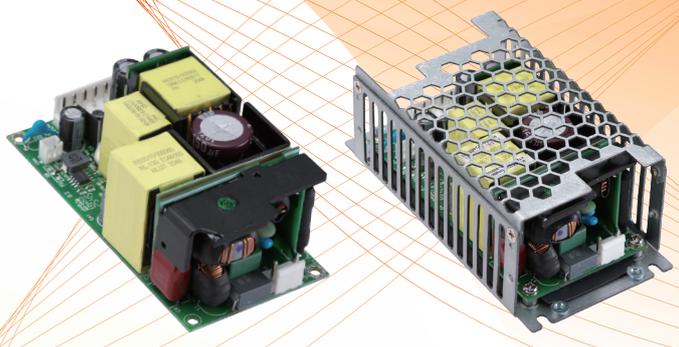


Mechanical	
Dimension	Open Type : L 76.2 × W 50.8 × H 38.1 (mm) 3" x 2" x 1.5"
	Enclosed Type : L 95 × W 62 × H 44 (mm) 3.74" x 2.44" x 1.73"
Weight	Open Type : 175g (Ref.)
	Enclosed Type : 265g (Ref.)

NEW

I.T.E.

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

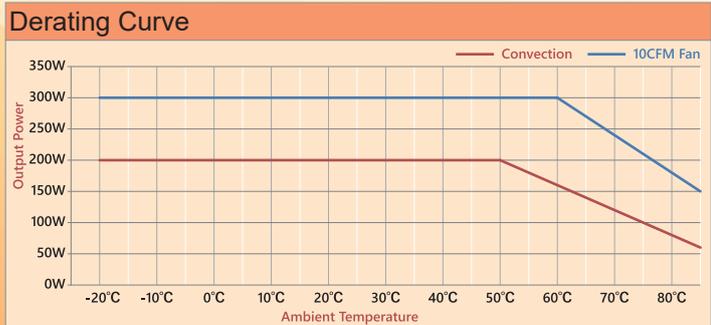
- Features :**
- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
 - EMC : IEC60601-1-2 (Edition 4.1)
 - Means of Protection: 2 X MOPP
 - IEC/EN/UL 62368-1
 - Meet IEC60335-1 & IEC61558-1/-2-16
 - 100-240VAC Universal Input
 - 300W With Fan
 - Extra Function(Optional): 5V Standby / 12V Fan Power / Remote Control / 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

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

Model	O/P Voltage	O/P Current		O/P For Fan	Watt	
		Convection	With Fan*		Convection	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



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 25°C , by Telcordia SR-332

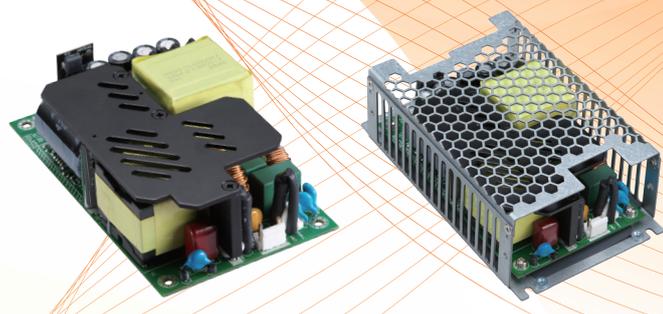
Environmental	
Operating Temperature	-20 to + 50°C
Storage Temperature	-20 to + 80°C
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	200W with Convection Cooling 300W with Forced Cooling

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.)

NEW

I.T.E.

Medical



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

Input

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

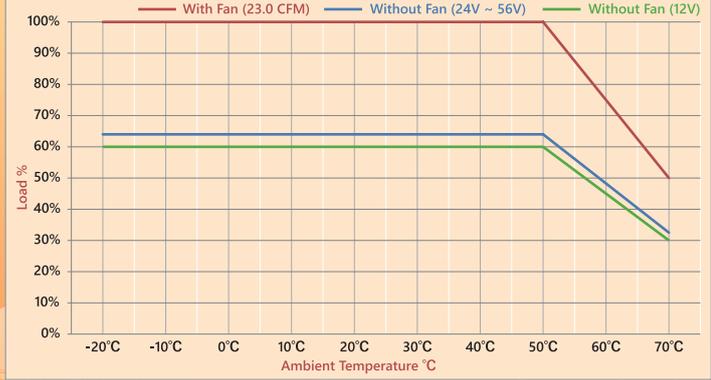
Output

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

Model	O/P Voltage	O/P Current		O/P for Fan	Watt	
		Convection	With Fan*		Convection	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



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 25°C , by Telcordia SR-332

Environmental

Operating Temperature	-20 to + 50°C
Storage Temperature	-20 to + 80°C
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

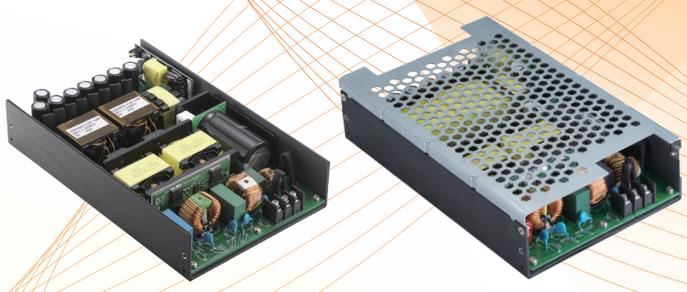
Mechanical

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.)

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

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

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

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 25°C , by Telcordia SR-332

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

Environmental	
Operating Temperature	-20 to + 50°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	
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

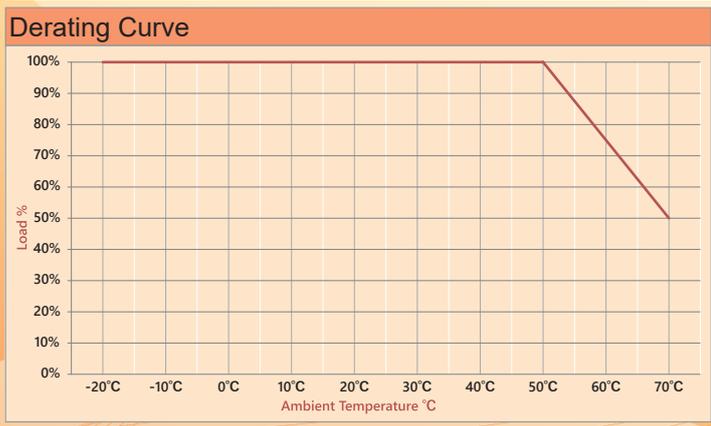
O / P Voltage ←

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



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 25°C , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 50°C
Storage Temperature	-20 to + 80°C
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.)