



I.T.E.

Medical

# 12 Watt Series

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

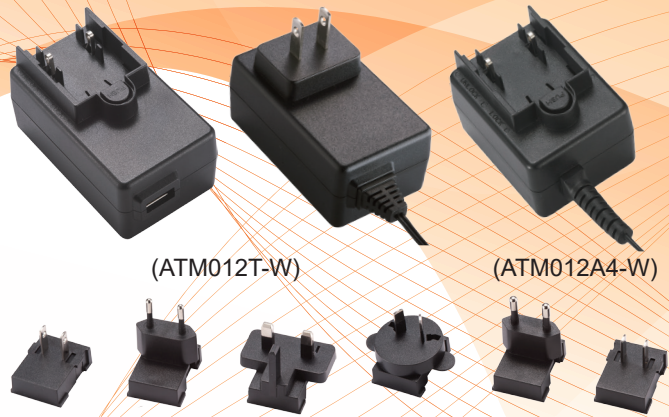
ATM012A4 - W X X X V

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  
C : CN 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

## 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

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

## 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 25°C , by Telcordia SR-332

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

## 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

## 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
	E for EU Plug
	C for CN Plug
	V for Changeable Plug
	B for UK Plug A for AU Plug

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

## Derating Curve

See the next page

