

ATM300T | 300 Watt



Level VI

300 Watt Medical Series

Desktop Type

ATM300T - □ X X X

P : C14
A : C18

O / P Voltage



Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2
No Load Power Consumption Less Than 0.5W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- IEC 60950 approval
- Means of Protection: 2 X MOPP
- Touch Current : < 100µA
- 100-240VAC Universal Input
- Single Output to 300W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design on request
- 3 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM300T-□120	12.0V	25.00A	300W
ATM300T-□150	15.0V	20.00A	300W
ATM300T-□240	24.0V	12.50A	300W
ATM300T-□480	48.0V	6.25A	300W

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 Max. for Output Voltage@ Full Load
Transient 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
DC Cord	UL 2464 / UL 2095
Ferrite Core	Yes

Safety Approvals

CB / UL / cUL / FCC / CE / TÜV SÜD Mark / PSE

Electrical

Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100µA
Efficiency	Meet DoE Level VI
EMC Standards	EN55011
	EN61000-3-2,3
MTBF	EN61000-4-2,3,4,5,6,8,11
	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
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	1600g (Ref.)

Please note for P versions:

The -Vout (secondary GND) is connected to PE as functional earth. If your application needs a safety earth an extra direct PE connection to earth must be implemented!