

NEW
Level VI



I.T.E. / Medical GaN FET Technology 300 Watt Series

Small Size Desktop Type

ATM300TS - □ X X X

P : C14 ← → O / P Voltage
A : C18

Green Mode
CEC, DoE Level VI, Energy Star, ErP Stage 2, NRCAN & GEMS Level VI
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/EN/UL 62368-1 & IEC 60950-1
 - 100-240 VAC Universal Input
 - Gallium Nitride Based Design
 - High Power Density : 9W / in³
250% higher than traditional adapter (3.6W / in³)
 - With 250kHz Switching Frequency
 - Means of Protection: 2 X MOPP
 - Touch Current : < 100µA
 - Efficiency up to 95%
 - Single Output to 300W
 - Regulated Output with Low Ripple Noise
 - Modified and Custom Design Available
 - 2 Year Warranty

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 2095 / UL 2464 / 16AWG / 18AWG
Ferrite Core	Yes

Safety Approvals
CB / UL / cUL / FCC / GS / TÜV SÜD Mark / CE / PSE / BSMI

Electrical	
Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100µA
EMC Standards	EN55032 / EN55011 EN61000-3-2,3 EN55024 / 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
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

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

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.9-1.3A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14, C18

Mechanical	
Case Dimension	L 183 x W 85 x H 35 (mm)
Weight	1000g (Ref.)