



GaN FET Technology

300 Watt Series

Small Size Desktop Type

ATM300TS - ☐ X X X

P : C14

A : C18

O / P Voltage

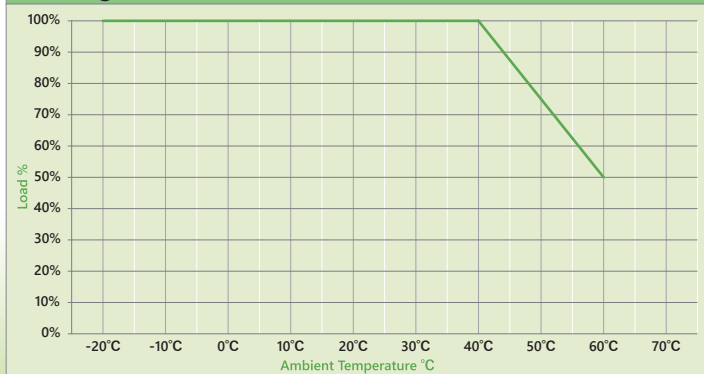
Features :

- 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 / in³
- 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 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 183 × W 85 × H 35 (mm)
Weight	1,060g (Ref.)