

Features

- Universal Input Voltage Range 100-240V AC
- Approved to UL, CB, CE, UKCA, FCC, RoHS & REACH
- IEC/EN/UL 62368-1 Safety Approved
- Level VI Efficiency
- High Power Density : 10.0W / in³
- Single Output 12-56V DC
- Gallium Nitride Based Design



44ATM300TS-AXXX Series

300W GaN FET AC/DC Desktop Power Supply



The 44ATM300TS-AXXX Series is a consistent and reliable External Power Supply (PSU)>PD & GaN Power Supply. Designed for use in applications such as commercial AV, broadcasting and control panels. This series is supplied with a IEC C18 input connection and supports input voltages of 100~240V AC 50~60Hz.

Model Number Information

44ATM300TS-A **XXX**

Series Name Voltage

Models

Model Number	DC Voltage (V)	Rated Current (A)	Rated Power (W)	Efficiency (%)
44ATM300TS-A120	12	24	288	88
44ATM300TS-A150	15	20	300	88
44ATM300TS-A190	19	15.79	300	88
44ATM300TS-A240	24	12.5	300	88
44ATM300TS-A480	48	6.25	300	88
44ATM300TS-A560	56	5.36	300	88

Input Specifications

Rated Voltage Range	100-240VAC
Frequency Range	50/60Hz
AC Current	3.5A-1.5A
Efficiency	DoE Level VI
Configuration	IEC60320/C18

Output Specifications

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

Protection 1	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
Protection 2	Internal Primary Current Fuse

Environmental Characteristics

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

Electrical

Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Earth Leakage Current	< 5mA
Touch Current (Patient)	< 100µA
Leakage Current	
MTBF	300,000 Calculated Hours at 25°C by Telcordia SR-332,
	EN55032 / EN55011
EMC Standards	EN61000-3-2,3
	EN55035 / EN61000-4-2,3,4,5,6,8,11

Dimensions & Weight

	Measurements	Weight
44ATM300TS-AXXX	183x85x35mm	1,060g

Derating Curves

