

## 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
- With 250kHz Switching Frequency
- Single Output 12-56V DC
- Regulated Output with Low Ripple Noise



## 44ATM250TS-AXXX Series

250W GaN FET AC/DC Desktop Power Supply



The 44ATM250TS-AXXX Series is a high-efficiency and standards-compliant External Power Supply (PSU)>PD & GaN Power Supply. Designed for use in applications such as industrial control and automation systems. This series is supplied with a IEC C18 input connection and supports input voltages of 100~240V AC 50~60Hz.

### Model Number Information

44ATM250TS-A    XXX

Series Name                      Voltage

### Models

Model Number	DC Voltage (V)	Rated Current (A)	Rated Power (W)	Efficiency (%)
44ATM250TS-A120	12	19	228	88
44ATM250TS-A190	19	13.2	250	88
44ATM250TS-A240	24	10.4	250	88
44ATM250TS-A480	48	5.2	250	88
44ATM250TS-A560	56	4.48	250	88

Input Specifications	
Rated Voltage Range	100-240VAC
Frequency Range	50/60Hz
AC Current	2.9A-1.3A
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
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
MTBF	300,000 Calculated Hours at 25°C by Telcordia SR-332,
Touch Current (Patient) Leakage Current	< 100µA
EMC Standards	EN55032
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11

Dimensions & Weight		
	Measurements	Weight
44ATM250TS-AXXX	173×67×32.1mm	855g

Derating Curves

