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

44ATM200TS-PXXX Series

200W GaN FET AC/DC Desktop Power Supply

The 44ATM200TS-PXXX Series is a consistent and high-performing External Power Supply (PSU)>PD & GaN Power Supply. Designed for use in applications such as embedded electronics and control equipment. This series is supplied with a IEC C6/C14 input connection and supports input voltages of 100~240V AC 50~60Hz.

Model Number Information

44ATM200TS-P	XXX
Series Name	Voltage

Models

Model Number	DC Voltage (V)	Rated Current (A)	Rated Power (W)	Efficiency (%)
44ATM200TS-P120	12	16	192	88
44ATM200TS-P150	15	13	195	88
44ATM200TS-P190	19	10.5	200	88
44ATM200TS-P240	24	8.3	200	88
44ATM200TS-P480	48	4.2	200	88

Input Specifications

Rated Voltage Range	100-240VAC
Frequency Range	50/60Hz
AC Current	2.4A-0.9A
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
Configuration	IEC60320/C6, C14

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℃
Working Humidity	20 ~ 80%RH
Storage Humidity	-10 ~ 90% RH
Storage Temperature	-20 to + 80ºC
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 25ºC by Telcordia SR-332,
EMC Standards	EN55032
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11

Dimensions & Weight

	Measurements	Weight
44ATM200TS-PXXX	166.5×54.2×33mm	620g

Derating Curves