

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



44ATS160TS-AXXX Series

160W GaN FET AC/DC Desktop Power Supply



The 44ATS160TS-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 C8 input connection and supports input voltages of 100~240V AC 50~60Hz.

Model Number Information

44ATS160TS-A XXX

Series Name Voltage

Models

Model Number	DC Voltage (V)	Rated Current (A)	Rated Power (W)	Efficiency (%)
44ATS160TS-A120	12	9	108	88
44ATS160TS-A190	19	6.3	120	88
44ATS160TS-A240	24	5	120	88
44ATS160TS-A480	48	2.5	120	88
44ATS160TS-A560	56	2.14	120	88

Input Specifications	
Rated Voltage Range	100-240VAC
Frequency Range	50/60Hz
AC Current	2.2A Max.
Efficiency	Meet DoE Level VI, ErP Stage 2, CoC Tier 2
Configuration	IEC60320, C8

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	3,000VAC Primary - Secondary
Earth Leakage Current	< 5mA
MTBF	300,000 Calculated Hours at 25°C by Telcordia SR-332,
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035

Dimensions & Weight		
	Measurements	Weight
44ATS160TS-PXXX	C8 - L 150 × W 54 × H 33 (mm)	530g

Derating Curves

