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-PXXX Series

160W GaN FET AC/DC Desktop Power Supply

The 44ATS160TS-PXXX Series is a reliable and efficient External Power Supply (PSU)>PD & GaN Power Supply. Designed for use in applications such as telecoms, computing and multimedia systems. This series is supplied with a C6, C14 input connection and supports input voltages of 100~240V AC 50~60Hz.

Model Number Information

44ATS160TS-P	XXX
Series Name	Voltage

Models

Model Number	DC Voltage (V)	Rated Current (A)	Rated Power (W)	Efficiency (%)
44ATS160TS-P120	12	9	108	88
44ATS160TS-P190	19	6.3	120	88
44ATS160TS-P240	24	5	120	88
44ATS160TS-P480	48	2.5	120	88
44ATS160TS-P560	56	2.14	120	88

Input Specifications

Rated Voltage Range	100-240VAC
Frequency Range	50/60Hz
AC Current	1.6A Max.
Efficiency	Meet DoE Level VI, ErP Stage 2, CoC Tier 2
Configuration	IEC60320/C6, C14

Output Specifications

Load Regulation	±5% (Typical)
Ripple & Noise	≤ 100m 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	3,000VAC Primary - Secondary
Earth Leakage Current	< 5mA
MTBF	300,000 Calculated Hours at 25ºC by Telcordia SR-332,
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035

Dimensions & Weight

	Measurements	Weight
44ATS160TS-PXXX	C6 & C14 - L 161 × W 54.2 × H 33.2 (mm) C8 - L 150 × W 54 × H 33 (mm)	530g

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Derating Curves