

## 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 : 12.6W / in<sup>3</sup>
- Single Output 12-56V DC
- Gallium Nitride Based Design



## 44ATS270A1-PXXX Series

270W GaN FET AC/DC Desktop Power Supply



The 44ATS270A1-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 IEC C14 input connection and supports input voltages of 100~240V AC 50~60Hz.

### Model Number Information

44ATS270A1-P      XXX

Series Name      Voltage

### Models

Model Number	DC Voltage (V)	Rated Current (A)	Rated Power (W)	Efficiency (%)
44ATS270A1-P190	19	14.2	270	88
44ATS270A1-P191	19.5	13.8	270	88
44ATS270A1-P240	24	11.25	270	88

Input Specifications	
Rated Voltage Range	100-240VAC
Frequency Range	50/60Hz
AC Current	3.5A Max
Efficiency	DoE Level VI
Configuration	IEC60320/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°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
	EN55035

Dimensions & Weight		
	Measurements	Weight
44ATS270A1-PXXX	170×84.3×24.5mm	630g

Derating Curves

