

Datasheet

500W Enclosed Power Supply Range



Features:

- High efficiency, long life and high reliability
- 3 Year Warranty
- Universal Input
- Wide Operating Ambient Temperature Range
- Operating Altitude of up to 5000m on many of the range
- CE Approved

The 500W enclosed power supply range has been specially designed to offer high efficiency, long life and high reliability for use in a variety of applications. This range comprises of 2 models with outputs of either 24v or 48v. Each model is approved to CE and come with a three year warranty.



ENGLISH

RS Stock Code		1618237	1618238
Output	DC Voltage	24V	48V
	Rated Current	21A	10.5A
	Current Range	0~21A	0~10.5A
	Ripple & Noise	<400mVp-p	<480mVp-p
	Voltage Adjustment Range	5%~10% of Rated Output Voltage	
	Voltage Accuracy	+/- 1.0%	
	Line Regulation	+/- 0.5%	
	Load Regulation	+/- 1.0%	
	Overshoot & Undershoot	<5.0%	
	Rise Time	<1.5 Seconds - 230Vac at 100% Load	
	Hold Up Time	>16mS - 230Vac at 100% Load	
Input	Full Input Voltage Range	90~264Vac	
	Full Frequency Range	47-63Hz	
	AC Current	< 9A	
	In Rush Current	<20A@230Vac	
	Leakage Current	Input-Output:<0.25mA Input-PG:<3.5mA	
Protection	Over Load	105~150% rated output current	
	Short Circuit	Long Term Mode, auto-recovery	
Environment	Working Temp	-20°C ~ +70°C (230Vac) (Refer to output derating curve)	
	Working Humidity	20~90%RH non-condensing	
	Storage Temp	-25°C ~ +85°C	
	Storage Humidity	10 ~ 95%RH non-condensing	
Safety	Safety Standards	EN60950-1: 2006 IEC 60950-1:2005	
	Withstand Voltage	I/P-O/P: 3KVac I/P-FG: 1.5KVac O/P-FG: 0.5KVac	
	Isolation Resistance	> 100MOhms	
	EMC Emission	Compliance to EN55022 Class B	
	EMC Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11	
Others	Lifetime	200,000 Hours (25°C)	
	Size	170mm x 120mm x 83mm	
	Package	6pcs/ctn, 12KG	
Notes	1)All parameters NOT specially mentioned are measured at 230Vac input, rated load and 25°C of ambient temperature. 2)Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor. 3)The power supply is considered a component which must be installed into final equipment. The final equipment must be re-confirmed that it meets all applicable directives.		