



ENGLISH

Datasheet

480W 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
- UL & CE Approved

The 480W 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 5 models with outputs of either 12v, 24v, 27v, 36v or 48v. Each model is approved to CE, CB, UL and come with a three year warranty.





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RS Stock Code		1618231	1618232	1618233	1618234	1618235
Output	DC Voltage	12V	24V	27V	36V	48V
	Rated Current	34A	22A	18A	14A	11A
	Current Range	0~34A	0~22A	0~18A	0~14A	0~11A
	Ripple & Noise	<120mVp-p	<150mVp-p	<150mVp-p	<150mVp-p	<200mVp-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	-30°C ~ +70°C (230Vac) (Refer to output derating curve)
	Working Humidity	20~90%RH non-condensing
	Storage Temp	-40°C ~ +85°C
	Storage Humidity	10 ~ 95%RH non-condensing
Safety	Safety Standards	UL60950-1, 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 Emmission	Compliance to EN55022 Class B
Others	EMC Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11
	Lifetime	200,000 Hours (25°C)
	Size	218mm x 116.5mm x 41mm
	Package	6pcs/ctn, 8.7KG
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.	