

Datasheet

# PDF-1000 Power Supply Range



## Specifications:

- Universal / Full range AC input
- Built in active PFC
- Built in fan speed control
- Built in AC inrush current limiting circuit
- Built in constant current limiting circuit
- Built in remote sense function
- 1 U low profile, 41mm
- 3 years warranty



**ENGLISH**

Model		PDF-1000-24	PDF-1000-48
RS Stock Code		1618246	1618247
Output	DC Voltage	24V	48V
	Rated Current	42A	21A
	Current Range	0~42A	0~21A
	Ripple & Noise	<150mVp-p	<400mVp-p
	Voltage Adjustment Range	-5%~+10% of Rated Output Voltage	
	Line Regulation	+/-0.5%	+/-0.5%
	Load Regulation	+/- 1.0%	
	Overshoot & Undershoot	<5.0%	
	Rise Time	<5S (230Vac input, Full load)	
	Hold Up Time	>16mS - 230Vac at 100% Load	
Input	Full Input Voltage Range	90~264Vac	
	Full Frequency Range	47-63Hz	
	AC Current	< 10A	
	In Rush Current	<20A@230Vac	
	Leakage Current	Input-Output:<0.25mA	Input-PG:<3.5mA
Protection	Over Load	105~125% rated output current	
Environment	Working Temp	-30°C ~ +50°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	
	Withstand Voltage	I/P-0/P: 3KVac   I/P-FG: 1.5KVac   0/P-FG: 0.5KVac	
	Isolation Resistance	> 10M Ohms	
	EMC Emmission	Compliance to EN55022 Class A	
	EMC Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11	
Others	Lifetime	200,000 Hours (25 °C)	
	Size	226mm x 116.5mm x 41mm	
	Package	8pcs/ctn, 11.7KG	
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.		

# Mechanical Drawing

