

Datasheet

# PS-45-S Power Supply Range



## Specifications:

- Universal AC input/ Full range (90~264Vac)
- High Efficiency, long life and high reliability
- Output protections: SCP/OVP/ OLP/OPP
- Wide operating ambient temperature (-10°C~60°C)
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- 3 year warranty



**ENGLISH**

Model		PS-45-S12	PS-45-S24	PS-45-S48
RS Stock Code		1618243	1618244	1618245
Output	DC Voltage	12V	24V	48V
	Rated Current	3.7A	1.9A	1A
	Current Range	0~3.7A	0~1.9A	0~1A
	Ripple & Noise	<200mVp-p	<200mVp-p	<200mVp-p
	Line Regulation	+/-1%	+/-1%	+/-1%
	Load Regulation	+/- 3.0%		
	Overshoot & Undershoot	<5.0%		
	Rise Time	<0.8S (230Vac input, Full load)		
	Hold Up Time	>60mS – (230Vac at 100% Load)		

Input	Full Input Voltage Range	90~264Vac	
	Full Frequency Range	47-63Hz	
	AC Current	< 0.6A	
	In Rush Current	<20A@230Vac	
	Leakage Current	Input-Output:<0.25mA	Input-PG:<3.5mA

Protection	Over Load	110~135% 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	> 100M Ohms
	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	101.6mm x 51mm x 28mm
	Package	60pcs/ctn, 11KG
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.	