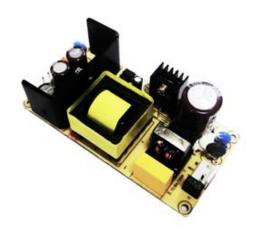




**ENGLISH** 

## **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 RS Stock Code		PS-45-S12	PS-45-S24 1618244	PS-45-S48 1618245	
		1618243			
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 inpu	<0.8S (230Vac input, Full load)		
	Hold Up Time	>60mS – (230Vac at	>60mS – (230Vac at 100% Load)		
	•				
Input	Full Input Voltage Range	90~264Vac	90~264Vac		
	Full Frequency Range	47-63Hz	47-63Hz		
	AC Current	< 0.6A	< 0.6A		
	In Rush Current	<20A@230Vac	<20A@230Vac		
	Leakage Current	Input-Output:<0.25	Input-Output:<0.25mA Input-PG:<3.5mA		
	-				
Protection	Over Load	110~135% rated or	110~135% rated output current		
	Short Circuit	Long Term Mode, a	Long Term Mode, auto-recovery		
Enviroment	Working Temp	-30°C ~ +70°C (230	-30°C ~ +70°C (230Vac) (Refer to output derating curve)		
	Working Humidity	20~90%RH non-co	20~90%RH non-condensing		
	Storage Temp	-40°C ~ +85°C	-40°C ~ +85°C		
	Storage Humidity	10 ~ 95%RH non-co	10 ~ 95%RH non-condensing		
Saftey	Saftey Standards	UL60950-1, EN6095	UL60950-1, EN60950-1: 2006 IEC 60950-1:2005		
	Withstand Voltage	I/P-0/P: 3KVac   I/P-F	I/P-0/P: 3KVac   I/P-FG: 1.5KVac   0/P-FG: 0.5KVac		
	Isolation Resistance	> 100M Ohms	> 100M Ohms		
	EMC Emmision	Compliance to EN55	Compliance to EN55022 Class B		
	EMC Immunity	Compliance to EN6	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11		
Others	Lifetime	200,000 Hours (25 °	200,000 Hours (25 °C)		
	Size	101.6mm x 51mm >	101.6mm x 51mm x 28mm		
	Package	60pcs/ctn, 11KG	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.				