



Features:

- Universal AC input / Full range
- High efficiency up to 90%
- Protections: Short circuit /Over load /Over voltage
- Cooling by free air convection
- 4" × 2" compact size
- LED indicator for power on
- No load power consumption <0.3W(5V/7.5V <0.5W)
- Operating altitude up to 4000 meters
- 3 years warranty
- Compliance to IEC/EN/UL 62368-1

Specification										
MODEL		PS-65-5	PS-65-7.5	PS-65-12	PS-65-15	PS-65-24	PS-65-36	PS-65-48		
	VOLTAGE RANGE	90~264VAC 127~370VDC (Refer to "Static characteristics")								
INPUT	FREQUENCY RANGE	47~63Hz								
	EFFICIENCY(Typ.)	87%	87%	86%	87%	90%	89%	90%		
	AC CURRENT(Typ.)	1.8A/115Vac 1A/230Vac								
	INRUSH CURRENT(Typ.)	60A/230Vac (cold start)								
	LEAKAGE CURRENT	<2mA/240Vac								
OUTPUT	DC VOLTAGE	5V	7.5V	12V	15V	24V	36V	48V		
	RATED CURRENT	11A	8A	5.42A	4.34A	2.71A	1.81A	1.36A		
	CURRENT RANGE	0~12A	0~8.8A	0~6A	0~4.8A	0~3A	0~2A	0~1.5		
	RATED POWER	55W	60W	65.04W	65.1W	65.04W	65.16W	65.28W		
	PEAK LOAD(10 SEC.)	60W	66W	72W	72W	72W	72W	72W		
	RIPPLE&NOISE(max.)	80mVp-p	100mVp-p	120mVp-p	150mVp-p	240mVp-p	280mVp-p	300mVp-p		
	VOLTAGE ADJ.RANGE	4.75~5.5V	7.13~8.25V	10.8~13.5V	13.5~16.5V	21.6~26.4V	32.4~39.6V	43.2~52.8V		
	VOLTAGE TOLERANCE	±2%	±2%	±2%	±2%	±1%	±1%	±1%		
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%		
	LOAD REGULATION	±1%	±1%	±1%	±1%	±1%	±1%	±1%		
	SETUP, RISE TIME	800ms,50ms/230Vac 1600ms,50ms/115Vac								
	HOLD UP TIME(Typ.)	40ms/230Vac 10ms/115Vac at full load.								
PROTECTION	OVER LOAD	115%~160% rated output power								
		Protection type: Hiccup mode .recovers automatically after fault condition is removed.								
	OVER VOLTAGE	5.6~6.75V	8.63~10.1V	13.8~16.2V	17.2~20.25V	27.6~32.4V	39.7~46.8V	43.2~52.8V		
		Protection type: Shutdown o/p voltage , re-power on to recover								
ENVIRONIMENT	WORKING TEMP.	-30~+70℃ (Refer to'derating curve') .								
	WORKING HUMIDITY.	20~90% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-40~+85°C, 10~95% RH								
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)								
	OPERATING ALTITUDE	4000 meters								
	VIBRATION	10~500Hz, 2G 10min./1 cycle, period for 60 min. each along X、Y、Z axes								



	Safety standards	ds Refer to UL62368-1,TUV EN62368-1,CCC GB4943.1							
Safety and electromagnetic compatibility	Withstand voltage and isolation resistance	I/P-O/P: 3KVac; 100MΩ / 500Vdc / 25°C / 70%RH							
		I/P-FG: 2KVac; 100MΩ / 500Vdc / 25°C / 70%RH							
		O/P-FG: 0.5KVac; 100MΩ / 500Vdc / 25°C / 70%RH							
	Electromagnetic	Parameter	Standard	Test Level / Note					
		Conducted emission	BS EN/EN55032(CISPR32),FCC PART 15 / CISPR22 ,GB9254.1	Class B					
		Radiated emission	BS EN/EN55032(CISPR32),FCC PART 15 / CISPR22 ,GB9254.1	Class B					
		Harmonic current	BS EN/EN61000-3-2,GB17625.1	Class A					
		Voltage flicker	BS EN/EN61000-3-3						
	Electromagnetic compatibility immunity	BS EN/EN55035							
		Parameter	Standard	Test Level /Note					
		ESD	BS EN/EN61000-4-2	Level 4, 8KV air, Level 2, 4KV contact, criteria A					
		RF field susceptibility	BS EN/EN61000-4-3	Level 3, criteria A					
		EFT bursts	BS EN/EN61000-4-4	Level 3, criteria A					
		Surge susceptibility	BS EN/EN61000-4-5	Level 4, 2KV/L-N, 4KV/L/N-FG criteria A					
		Conducted susceptibility	BS EN/EN61000-4-6	Level 3, criteria A					
		Magnetic field immunity	BS EN/EN61000-4-8	Level 4, criteria A					
		Voltage dips and interruptions	BS EN/EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods , >95% interruptions 250 periods					
	MTBF	≥585Khrs MIL-HDBK-217F(25°C)							
OTHERS	DIMENSION	PCB: 101.6*50.8*29mm(L*W*H)							
	PACKING	0.15Kg; 96pcs/15.4Kg/1.51CUFT							
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. Line regulation is measured from low line to high line at rated load. Load regulation is measured from 0% to 100% rated load. Length of set up time is measured at cold first start, Turning ON/OFF the power supply very quickly may lead to increase of the set up time. The ambient temperature derating of 5°C/1000m is needed for operating altitude great than 2000m(6500ft). The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the un on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. 								





