

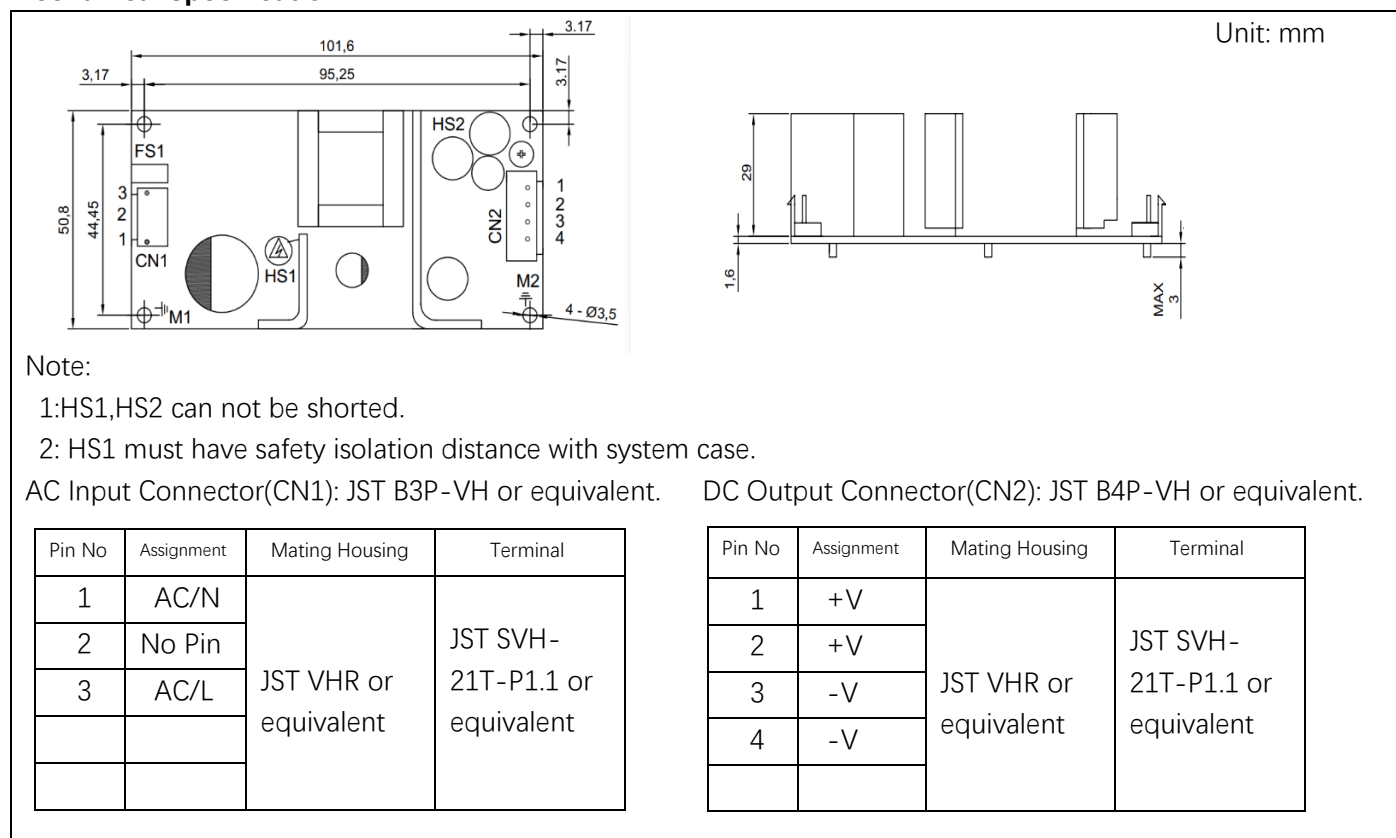

Features:

- 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、CE、CCC、UL、CB
- Comply with RoHS

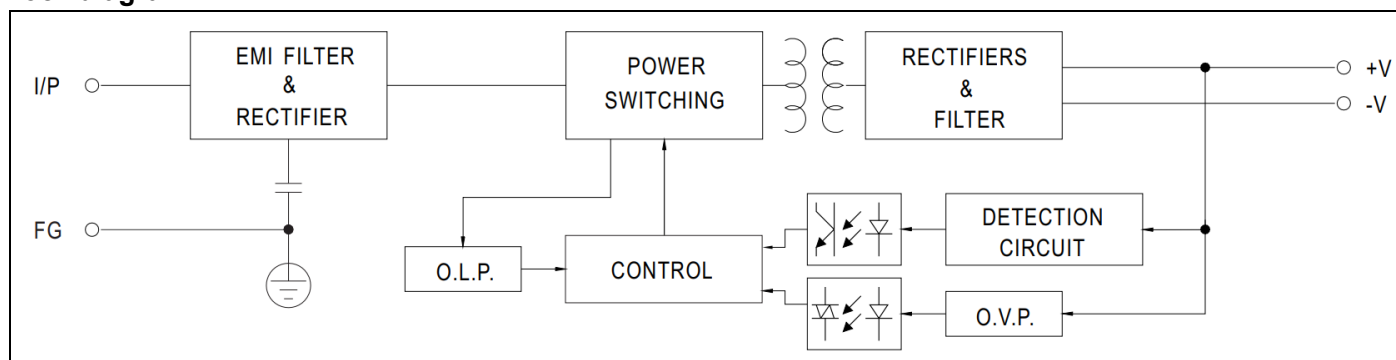
Specification

MODEL		PS-65E-5	PS-65E-7.5	PS-65E-12	PS-65E-15	PS-65E-24	PS-65E-36	PS-65E-48
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.) Note. 6	60W	66W	72W	72W	72W	72W	72W
	RIPPLE&NOISE(max.) Note2	80mVp-p	100mVp-p	120mVp-p	150mVp-p	240mVp-p	280mVp-p	300Vp-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 Note3	±2.0%	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
INPUT	SETUP, RISE TIME	800ms,50ms/230Vac 1600ms,50ms/115Vac						
	HOLD UP TIME(Typ.)	40ms/230Vac 10ms/115Vac at full load.						
	VOLTAGE RANGE Note. 5	90~264Vac 127~370Vdc [DC input operation possible by connecting AC/N(+),AC/L(-)]						
	FREQUENCY RANGE	47~63Hz						
	EFFICIENCY(Typ.)	87%	87%	86%	87%	90%	89%	90%
	AC CURRENT(Typ.)	1.8A/115Vac 1.0A/230Vac						
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						
ENVIRONMENT	WORKING TEMP.	-30~+70°C (Refer to output load 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 Note.7	4000 meters						
SAFETY	VIBRATION	10~500Hz, 2G 10min./1 cycle, period for 60 min. each along X、Y、Z axes						
	SAFETY STANDARDS	Refer to UL62368-1;TUV EN62368-1;EAC TP TC 004						
	WITHSTAND VOLTAGE	I/P-O/P: 3KVac I/P-FG: 2KVac O/P-FG: 0.5KVac						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG: 100MΩ / 500Vdc / 25°C / 70%RH						
	EMC EMISSION	Refer to EN55032(CISPR32) Class B; EN61000-3-2,-3;EAC TP TC 020						
OTHERS	EMC IMMUNITY	Refer to EN61000-4-2,3,4,5,6,8,11;EN55024;light Industry level ,criteria A; EAC TP TC 020						
	MTBF	≥585Khrs MIL-HDBK-217F(25°C)						
	DIMENSION	PCB:101.6*50.8*29mm(L*W*H)						
NOTE	PACKING	PCB:0.15Kg; 96pcs/ 15.4Kg/ 1.39 CUFT						
		1.All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.						
		2.Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.						
NOTE		3.Tolerance: includes set up tolerance, line regulation and load regulation						
		4.Derating may be needed under low input voltage. Please check the static characteristics for more details.						
		5.33% Duty cycle maximum within every 30 seconds. Average output power should not be exceed the rated power.						
		6.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 unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives.						
		7.The ambient temperature derating of 3.5°C/1000m with fan-less models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).						

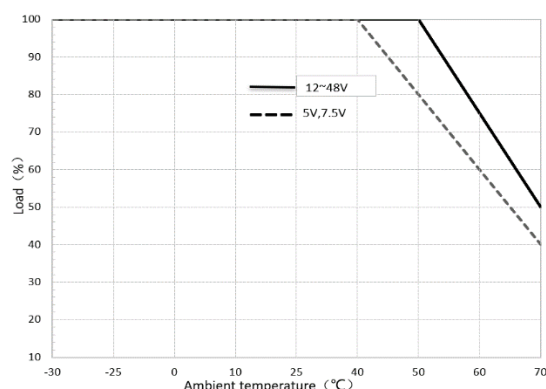
Mechanical specification



Block diagram



Derating curve



Static characteristics

