



SPD-B30 Series

30W, Single Output Adapter Power Supply



96 x 47 x 34 mm

3.78 x 1.85 x 1.34 inch



Features:

- * Green mode design, no load < 0.75W
- * Low ripple noise
- * Over voltage, over load & short circuit protection
- * AC inlet IEC320-C6
- * With LED indicator
- * Non min load requirement
- * 100% full load burn-in test
- * UL, cUL, TUV, CB, CE standard
- * 1 year warranty

Specification:

INPUT	Voltage	85V ~ 264VAC universal full range or 120V ~ 375VDC.							
	Frequency	47 ----- 63 Hz							
	Current	1.0A max at 100V AC input							
	Inrush Current	<30A@115V / <50A@230V AC input. Cold start at 25℃ ambient							
	Leakage Current	<0.5mA@264V AC input							
OUTPUT	MODEL	SPD-B30-05	SPD-B30-7.5	SPD-B30-09	SPD-B30-12	SPD-B30-15	SPD-B30-18	SPD-B30-24	SPD-B30-48
	Voltage	5V	7.5V	9V	12V	15V	18V	24V	48V
	Min Load	0A							
	Max Load	5A	4A	3.34A	2.5A	2A	1.67A	1.25A	0.63A
	Output Tolerance ②	±5%			±3%				
	Ripple Noise MAX. ③	70mV	80mV	90mV	120mV	150mV	180mV	200mV	240mV
	Efficiency (TYP.)	73%	75%	78%	80%			83%	
	Output MAX.	25W	30W						
PROTECTION	Over Voltage	5.8~7.0V	8.6~10.5V	10.4~12.6V	13.8~16.8V	17.3~21V	20.7~25.2V	27.6~33.6V	55.2~67.2V
		Limiting voltage latch							
	Over Load & Short Circuit	When power supply over 105% max load or short circuit acted, power supply will go into hiccup mode and recover automatically after the fault is removed.							
ELEC. CHAR.	Rise time	<50mS							
	Hold up time	>20mS@230V							
	Green mode	Power consumption at no load < 0.75W							
ENVIRONMENT	Temperature ④	Operating: -10~55℃; De-rating: 45℃ ~55℃ : 2.5%/℃.; Storage: -20 ~ +85℃							
	Humidity	Operating: 20% ~ 90% RH (non condensing); Storage: 10% ~ 95% RH (non condensing)							
SAFETY	Withstand voltage	I/P-O/P:3KVAC, 1minute							
	Isolation resistance	I/P-O/P, > 100MΩ/500VDC at 25℃/ 70% RH							
	Safety standard	UL 60950-1 1 st ,CSA C22.2 No. 60950-1- 03 1 st ,TUV EN 60950-1:2001+A11,IEC 60950-1, standard.							
EMC	EMI	EN 55022 CLASS B							
		Compliance to EN61000-3-2 CLASS A, EN61000-3-3							
	EMS	EN 55024 : EN 61000-4-2,3,4,5,6,8,11							
OTHERS	Cooling	Natural Cooling.							
	M.T.B.F.	553 K hours							
	Dimension	96 x 47 x 34 mm (L*W*H)							
	Packing	N.W.: 0.28KG / 1PC ; 80PCS / 1.95 CUFT / 1 CTN							
NOTE	① All measurements which not mentioned are based on 230VAC input, output Max at ambient 25℃ / 70%RH ② Output tolerance included set up voltage, line regulation and load regulation. ③ Ripple & noise are measured at 100~254VAC input with 10~50℃ condition and 20MHz of bandwidth by terminated with a 0.1uF & a 47uF parallel capacitor. ④ The operating temperature shall follow the de-rating curve in spec The output load may be requested for decreasing as de-rating curve in spec when low input voltage is under 100VAC. ⑤ The power supply is considered a component of end-equipment. The end-equipment must be re-confirmed whether comply with EMC directives.								



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SUNPOWER TECHNOLOGY CORP.

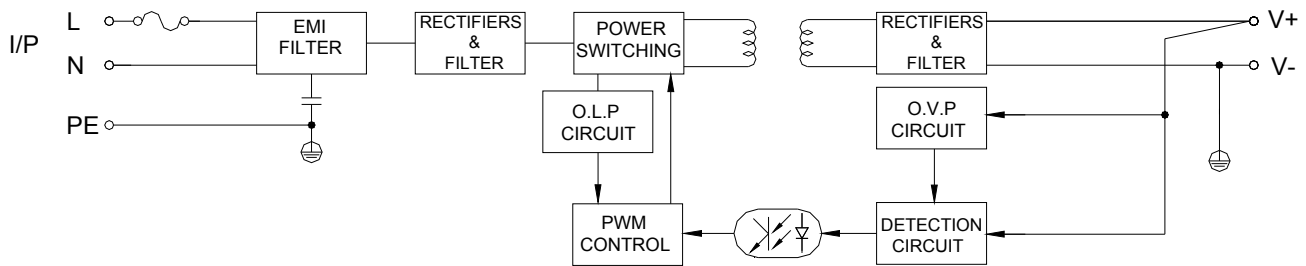
16F-1, No.150, Jian 1st Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.).

TEL: 886-2-8226-3100 FAX: 886-2-8226-3111

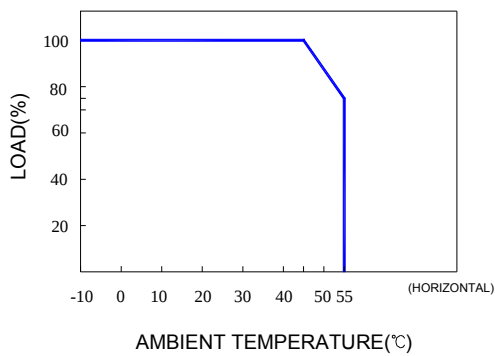
http://www.sunpower.com.tw

E-mail: sunpower@sunpower.com.tw

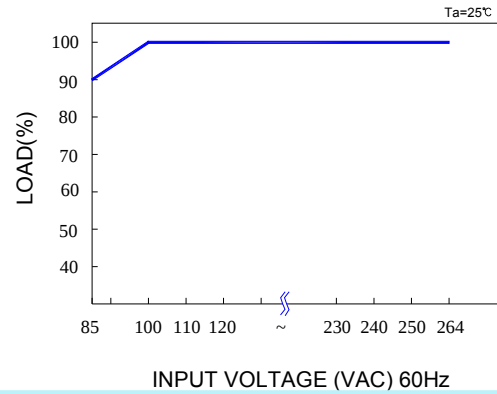
Block Diagram : US1



De-rating Curve :

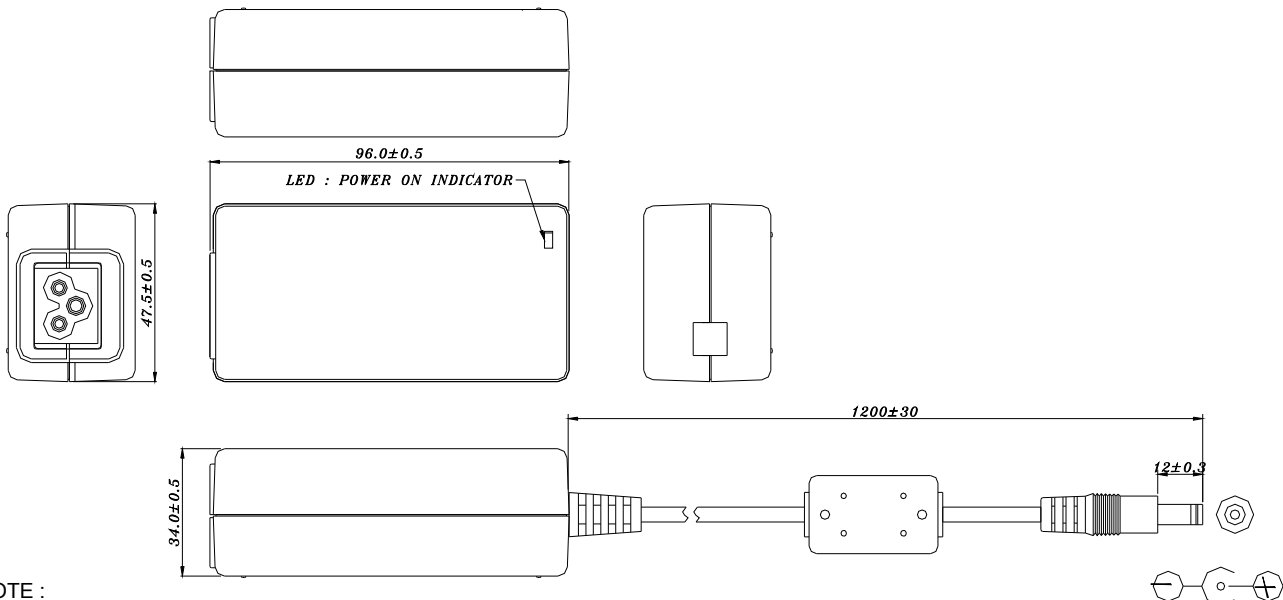


Output De-rating Vs Input Voltage :



Dimension:

(Unit: mm)



NOTE :

1. AC INLET : PER IEC 320-C6 STANDARD.
2. DC PLUG. (I.D.=2.5mm;O.D.=5.5mm)
3. ENCLOSURE COLOR : BLACK.
4. UNIT : mm