



SUNPOWER TECHNOLOGY CORP.  
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# SDS-230 Series

230W, Single Output  
 48V / 96V



198 x 99 x 50 mm  
 7.80 x 3.90 x 1.97 inch

## Features:

DC Input 48V / 96V
Inrush current limitation soft start function
Input & output isolation
Input polarity reverse protection
Input under / over voltage protection
Over load, over voltage & short circuit protection
Over temperature protection (optional)
Remote control ON/OFF (optional)
Output voltage $\pm 10\%$ adjustment
100% 50 burn-in test
Meet UL, cUL, TUV, ,CB, CE standard
2 years warranty

## Specification:

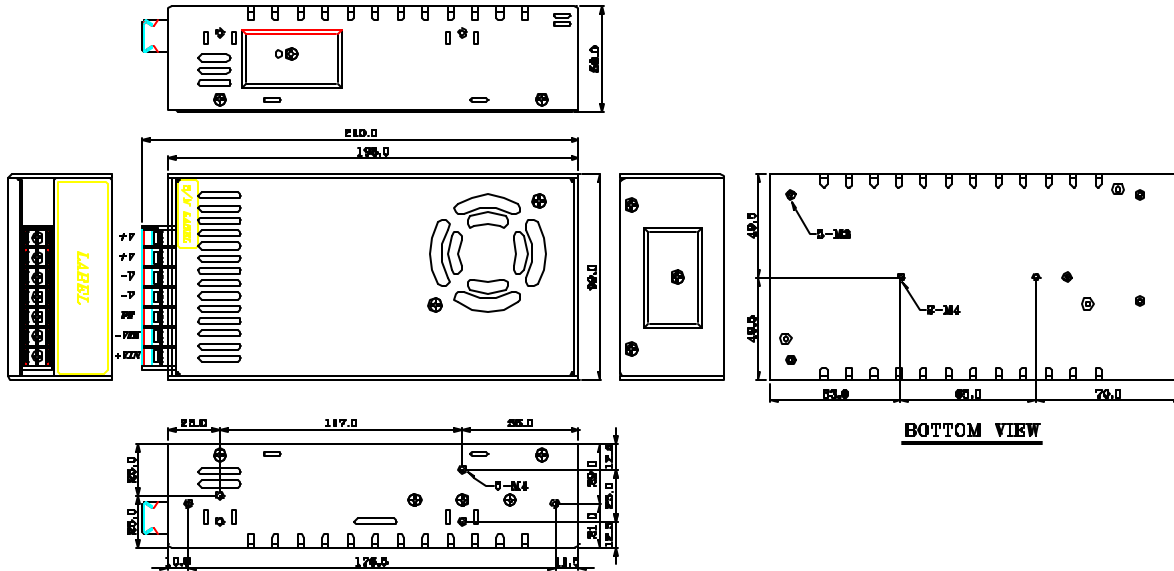
OUTPUT	Voltage	3.3V	5V	7.5V	12V	15V	24V	27V	48V	
	Min. Load	0A								
	Max. Load	40A	40A	29.4A	19.2A	15.4A	9.6A	8.6A	4.8A	
	Regulation	$\pm 3\%$	$\pm 2\%$	$\pm 2\%$	$\pm 1\%$					
	Ripple Noise (max)	50mV	70mV	90mV	100mV	120mV	150mV	180mV	250mV	
	Efficiency (typ)	69%	75%	78%	80%	80%	83%	84%	84%	
MAX OUTPUT WATTAGE		132W	200W	220W	230W					
INPUT	Voltage	SDS-230C Series	DC 36V ~ 72V (Typical 48V)							
		SDS-230D Series	DC 72V ~ 144V (Typical 96V)							
	Current	SDS-230C Series	9.5A max at 36V DC input, full load condition							
		SDS-230D Series	5A max at 72V DC input, full load condition							
INrush Current		SDS-230C Series	<30A@48V DC input, full load condition							
		SDS-230D Series	<30A@96V DC input, full load condition.							
PROTECTION	Over Load Protection	Over 105% ~ 180% of rating, recovers automatically after fault condition has been removed.								
	Over Voltage Protection	3.8V ~ 4.6V	5.8V ~ 7.0V	8.6V ~ 10.5V	13.8V ~ 17.5V	17.3V ~ 21V	27.6V ~ 33.6V	31.1V ~ 37.8V	55.2V ~ 67.2V	
	Over Tem Protection	Optional, shutdown when the temperature of power supply reach 95								
	Short Circuit Protection	Shutdown, recovers automatically after fault condition has been removed.								
OTHERS	Rise time	SDS-230C: <20mS; SDS-230D: <50mS								
	Remote Control On/Off	Optional. RC+/RC- : 0~0.7V=Power On; 3~10V=Power Off. Sink Current: 3~10mA								
	Cooling	A 16CFM (min.) DC Fan.								
Environment	Temperature	Operating: 0~70 ; derating: 45 ~70 : 2.5%/ . Storage: -10~+75								
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)								
M.T.B.F.	229K hours									
SAFETY	Meet UL 60950, CSA C22.2 No.60950, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94									
EMC	EMI	FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CALSS B.								
	EMS	EN 50082-1 (1997)								
PACKING	N.W.: 1.0Kg / 1pc; 18pcs / 1.38 Cu ft <sup>3</sup> / 1 CTN									



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Dimension:

## SDS-230 Series



Terminal Block: 7P, Pitch 9.5mm with PC cover.

Remote control (option): JST S 2B-XHA or equivalent