



SUNPOWER TECHNOLOGY CORP.  
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# SDS-150 Series

150W, Single Output  
 24V / 48V / 96V Input



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

## Features:

DC Input 24V / 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:

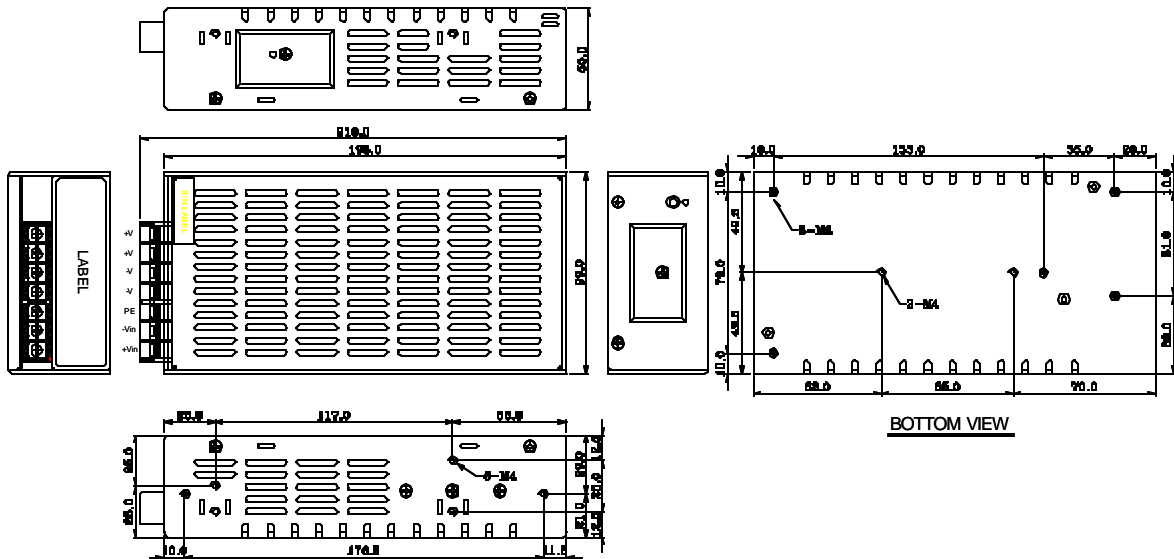
	MODEL	Voltage			Current			Inrush Current		
INPUT	SDS-150B Series	DC 19V ~ 36V (Typical 24V)			<12A @ 19V DC input full load condition			<30A@24V DC input full load condition.		
	SDS-150C Series	DC 36V ~ 72V (Typical 48V)			<6.3A @ 36V DC input full load condition			<30A@48V DC input full load condition.		
	SDS-150D Series	DC 72V ~ 144V (Typical 96V)			<3.3A @ 72V DC input full load condition			<30A@96V DC input full load condition.		
OUTPUT	Voltage	3.3V	5V	7.5V	12V	15V	24V	27V	48V	
	Min. Load	0A								
	Max. Load	30A	30A	20A	12.5A	10A	6.3A	5.6A	3.2A	
	Regulation	$\pm 3\%$	$\pm 2\%$	$\pm 1\%$						
	Ripple Noise(max)	50mV	70mV	90mV	100mV	120mV	150mV	180mV	250mV	
	Efficiency (typ)	69%	75%	78%	80%	80%	83%	84%	84%	
Max. Output	100W 150W									
PROTECTION	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	
	OverLoad Protection	Over 105% ~ 180% of rating, recovers automatically after fault condition has been removed.								
	Over Temperature Protection	Optional, power supply shut down when its temperature exceed 95								
	Short Circuit Protection	Shutdown, recovers automatically after fault condition has been removed.								
OTHERS	Rise time	SDS-150B Series	<50mS							
		SDS-150C Series	<20mS							
		SDS-150D Series	<50mS							
	Remote Control On/Off	Optional. RC+/RC- : 0~0.7V=Power On; 3~10V=Power Off. Sink Current: 3~10mA								
Cooling	Natural Cooling									
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.: 0.9Kg / 1pc; 18pcs / 1.38 Cu ft <sup>3</sup> / 1 CTN									



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Dimension:

## SDS-150 Series



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

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