



SUNPOWER TECHNOLOGY CORP.
 33485 WESTERN AVE. UNION CITY, CA 94587, UNITED STATES.
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SDS-320 Series

320W, Single Output
48V / 96V



212 x 115 x 50 mm
 8.35 x 4.53 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:

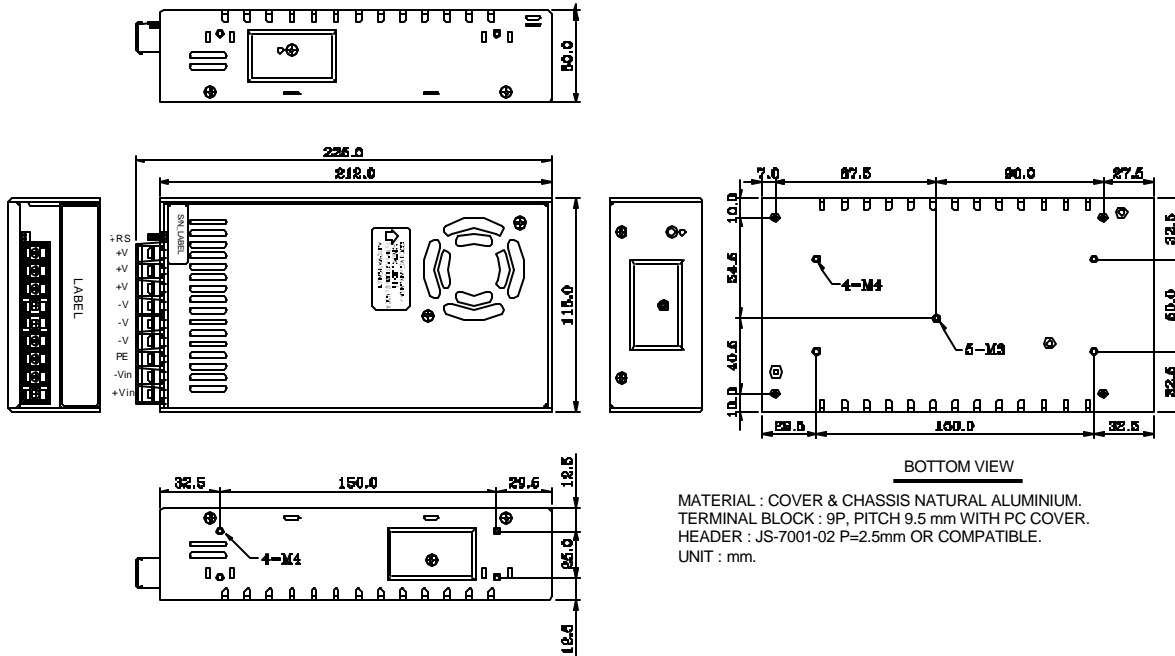
		Voltage	3.3V	5V	7.5V	12V	15V	24V	27V	48V	
OUTPUT	Min. Load	0A									
	Max. Load	50A	50A	40A	26.7A	21.4A	13.4A	11.9A	6.7A		
	Regulation	$\pm 3\%$	$\pm 2\%$	$\pm 2\%$	$\pm 1\%$						
	Ripple Noise (max)	50mV	70mV	90mV	100mV	120mV	150mV	180mV	250mV		
	Efficiency (typ)	68%	75%	78%	80%	80%	83%	84%	84%		
	MAX OUTPUT WATTAGE	165W	250W	300W	320W						
INPUT	Voltage	SDS-320C Series	DC 36V ~ 72V (Typical 48V)								
		SDS-320D Series	DC 72V ~ 144V (Typical 96V)								
	Current	SDS-320C Series	13.2A max at 36V DC input, full load condition								
		SDS-320D Series	6.7A max at 72V DC input, full load condition								
Inrush Current		SDS-320C Series	<30A@48V DC input, full load condition								
		SDS-320D 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-320C Series	<20mS								
		SDS-320D Series	<50mS								
	Remote Control	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: -10~70 ; Derating: 45 ~70 : 2.0%/ . Storage: -20~+75									
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)									
M.T.B.F.	SPS-320C Series : 220K hours , SPS-320D Series : 230K hours										
SAFETY	UL 60950, CSA C22.2 No.60950, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94 standard.										
EMC	EMI	FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CALSS B.									
	EMS	EN 50082-1 (1997)									
PACKING	N.W.: 1.2Kg / 1pc; 14pcs / 1.38 Cu ft ³ / 1 CTN										



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Dimension:

SDS-320 Series



BOTTOM VIEW
MATERIAL : COVER & CHASSIS NATURAL ALUMINIUM.
TERMINAL BLOCK : 9P, PITCH 9.5 mm WITH PC COVER.
HEADER : JS-7001-02 P=2.5mm OR COMPATIBLE.
UNIT : mm.

SC-178DSK1_1.2