



SUNPOWER TECHNOLOGY CORP.
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SDS-060 Series

60W, Single Output
 DC-DC Power Supply



159 x 95 x 38 mm
 6.30 x 3.74 x 1.48inch

Features:

Power ON with LED indicator
2:1 input range, input and output isolation
Soft start function, low inrush current
Input under voltage protection
Input polarity reverse protection
Over load, over voltage, short circuit protection
Output voltage $\pm 10\%$ adjustment
Non min load requirement
100% 50 burn-in test
Meet UL, cUL, TUV standard
3 years warranty

Specification:

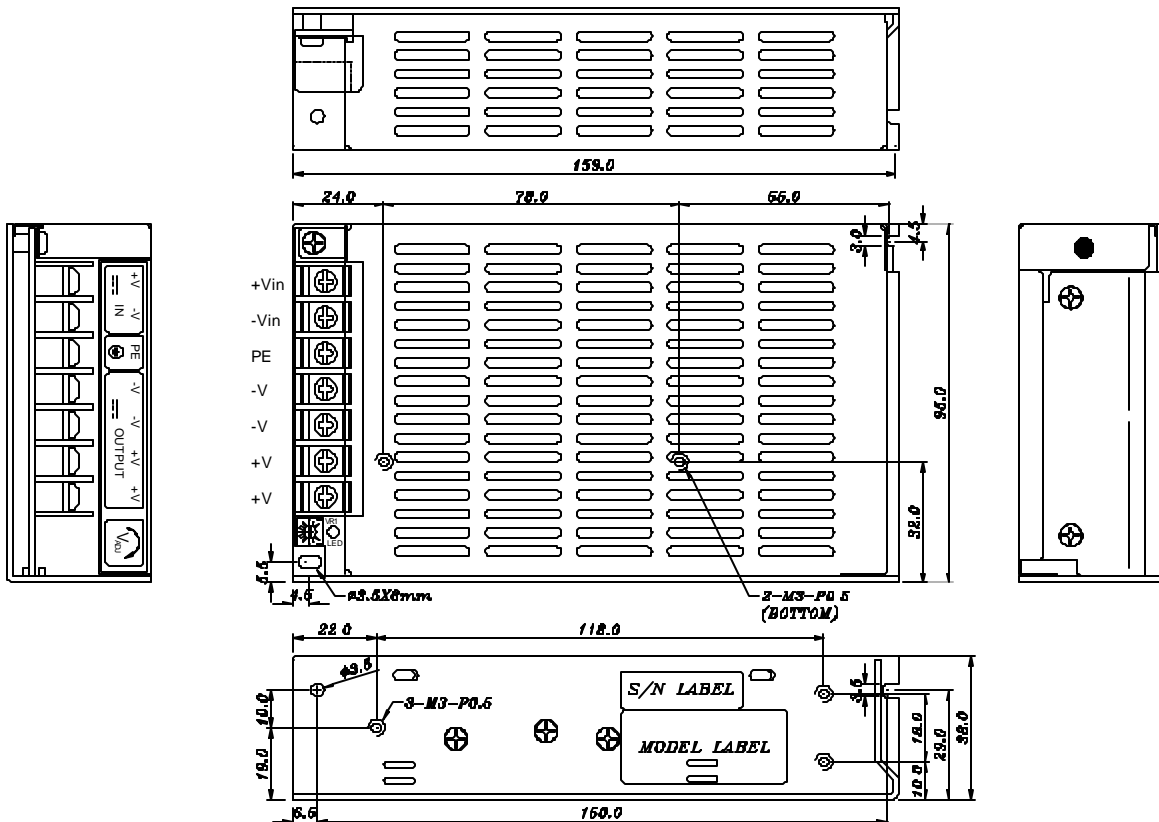
MODEL		SDS-060A		SDS-060B		SDS-060C		
INPUT	Voltage	9.5 ~ 18V DC (Typical 12V)		18 ~ 36V DC (Typical 24V)		36 ~ 72V DC (Typical 48V)		
	Current	<10A @ 9.5V DC		<4.6A @ 18V DC		<2.4A @ 36V DC		
	Input Protection	15A/125V		6.3A/250V		4A/250V		
		Ceramic Fuse						
OUTPUT	Voltage	3.3V	5V	12V	15V	24V	48V	
	Max. Load	15A	12A	5A	4A	2.5A	1.3A	
	Regulation	$\pm 3\%$	$\pm 2\%$	$\pm 1\%$				
	Ripple Noise	50mV	50mV	100mV	120mV	150mV	240mV	
	Efficiency (TYP.)	SDS-060A	62%	64%	66%	76%	68%	70%
		SDS-060B	68%	74%	76%		76%	76%
		SDS-060C						
Max Power	50W	60W						
Remark: Only SDS-060B SER. has 15V output.								
PROTECTION	Over Voltage Protection	3.8V~4.6V	5.8V~7.0V	13.8V~17.5V	17.3V~21.0V	27.6V~33.6V	55.2V~67.2V	
	Over Load Protection	Shutdown, recovers automatically after fault condition has been removed.						
	Short Circuit Protection	Shutdown when load over 105% ~ 180% of rating, recovers automatically after fault condition has been removed.						
	Input voltage protection	Shutdown, recovers automatically after fault condition has been removed.						
OTHERS	Input voltage protection	Under voltage shut down: SDS-060B: <15V~17V; SDS-060C: <32V~35V						
	Rise time	<20mS						
Environment	Cooling	Natural Cooling						
	Temperature	Operating: -10~70 ; De-rating: 45 ~70 : 2%/ . Storage: -10~+75						
M.T.B.F.	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)						
		340K hours						
SAFETY		UL 60950 3 rd , CSA C22.2 No.60950 3 rd , TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94						
EMC	EMI	EN 55022 CLASS B FCC CFR 47 PART 15 CLASS B CNS 13438 CLASS B.						
	EMS	EN 55024 EN 61000-4-2,3,4,5,6,8.						



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Dimension:

SDS-060 Series



NOTES:

1. MATERIAL : COVER SPCC & CHASSIS NATURAL ALUMINIUM.
2. TERMINAL BLOCK : 7P, PITCH 9.5 mm. (STANDARD)
3. UNIT : mm.