



SUNPOWER TECHNOLOGY CORP.
 33485 WESTERN AVE. UNION CITY, CA 94587, UNITED STATES.
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SDU-100B Series

100W, Single Output
 18-56 DC Input



133.5 x 84 x 38 mm
 5.26 x 3.3 x 1.5 inch

Features:

DC Input 18V ~ 56V (Typical 24V)
Low inrush current , soft start function
Input & output isolation
Input polarity reverse protection
Input under / over voltage protection
Over load, over voltage & short circuit protection
FR4 glass epoxy double side circuit board, meet UL -94V0
Output voltage $\pm 10\%$ adjustment
100% 50 burn-in test
Meet UL, cUL, TUV, CB, CE standard
2 years warranty

Specification:

MODEL	SDU-100B3.3	SDU-100B05	SDU-100B12	SDU-100B15	SDU-100B24	SDU-100B48	
OUTPUT	Voltage	3.3V	5V	12V	15V	24V	48V
	Min. Load	0A					
	Max. Load	25A	20A	8.5A	6.8A	4.2A	2.1A
	Regulation	$\pm 4\%$	$\pm 3\%$	$\pm 2\%$		$\pm 1\%$	
	Ripple Noise (max)	50mV		120mV	150mV	240mV	
	Efficiency (typ)	66%	72%	75%	77%	80%	
	Max Power	Natural cooling: 80W; forced air cooling: 100W					
INPUT	Voltage	DC 18V ~ 56V (Typical 24V)					
	Current	8A max at 18V DC input, full load condition					
PROTECTION	Input Protection	Fuse, 15A/125V					
	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	13.8V ~ 17.5V	17.3V ~ 21V	27.6V ~ 33.6V	55.2V ~ 67.2V
	Short Circuit Protection	Shutdown, recovers automatically after fault condition has been removed.					
OTHERS	Setup time	—					
	Rise time	<20mS					
	Cooling	Natural Cooling; when output exceed 80W a 16CFM (min.) DC fan is required.					
Environment	Temperature	Operating: 0~70 ; derating: 45 ~70 : 2.5%/ . Storage: -40~+85					
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)					
M.T.B.F.	270K 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)					



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Dimension:

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