



**SUNPOWER TECHNOLOGY CORP.**  
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# SDX-6300 Series

## 300W, Six Output

For Industrial 2U System



100 x 200 x 67 mm  
 3.94 x 7.87 x 2.64 inch



### Features:

- DC input 24V or 48V
- Input and output isolation
- Soft start function, low inrush current
- Input under and over voltage protection
- Over load, over voltage & short circuit protection
- Built-in long life ball bearing fan
- 100% 50 burn-in test
- Meet Intel ATX 2.01 / ATX2.03 / ATX 12V / EPS
- UL, cUL, TUV, ,CB, CE certified

### Specification:

INPUT		Model	Input Voltage	Input Current
Voltage	SDX-6300-24	19V ~ 32V DC Typical 24V		
	SDX-6300-48	36V ~ 72V DC Typical 48V		
Current	SDX-6300-24	<20A @ 19V DC input, 250W. <19A @ 24V DC input, 300W		
	SDX-6300-48	<12.6A @ 36V DC input, full load condition		

  

OUTPUT		V1	V2	V3	V4	V5	V6
Voltage		+3.3V	+5V	+12V	-5V	-12V	+5Vsb
Min. Load		0.1A	0.5A	0.2A		0A	
Max. Load	SDX-6300-24	20A	30A	16A	0.5A	1A	19V~23V: 1A 24V~32V: 1.5A
	SDX-6300-48	20A	30A	16A	0.5A	1A	2A
Regulation		±5%				+8/-5%	±5%
Ripple Noise (max)		50mV		120mV	50mV	200mV	50mV
Efficiency (typ)		67%					
Max Power		+3.3V & +5V max 150W; total:		SDX-6300-24: 19V~23V: 250W; 24V~32V: 300W SDX-6300-48: 300W			

  

PROTECTION		+3.8V ~ +4.6V	+5.8V ~ +7.0V	+13.8V ~ +17.5V	---	---	---
Over Voltage Protection							
	Input Protection	SDX-6300-24	Ceramic fuse 25A/125V				
		SDX-6300-48	Ceramic fuse 15A/125V				
Over Load Protection	Over 105% ~ 150% of rating, shutdown. Auto recovery when fault condition been removed.						
Short Circuit Protection	Shutdown. Auto recovery when fault condition been removed.						

  

OTHERS		Value
Rise time		<20mS
TTL Signal		Power Good Signal, PS-ON Signal
Cooling		Two 15CFM (min.) DC ball bearing Fan

  

Environment		Value
Temperature		Operating: 0~70 ; de-rating: 45 ~70 : 2.5%/ . Storage: -10~+75
Humidity		Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)

  

M.T.B.F.		Value
		138K hours

  

SAFETY		Value
		UL 1950, CSA C22.2 No. 950, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94 Certified

  

EMC		Value
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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