



SUNPOWER TECHNOLOGY CORP.
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SDX-250 Series

24V / 48V Input , 250watts

DC-DC Power Supply
 for ATX System



150 x 140 x 86mm

5.90 x 5.51 x 3.39inch



(TUV/cUL/CB Only for SDX -250-48.)

Features:

High efficiency, high reliability
2:1 input range
input and output isolation
Soft start function, low inrush current
input over voltage and under voltage protection
input polarity reverse protection
Over load, over voltage & short circuit protection
+3.3V,+5V output remote sensing
Meet to intel ATX 2.01 / 2.03
FR4 glass epoxy double side circuit board, meet UL-94V0, which could work in an environment with high vibration
Built-in long life ball bearing fan
100% 50 burn-in test
2 years warranty

Specification:

	V1	V2	V3	V4	V5	V6	
OUTPUT	Voltage	+3.3 V	+5 V	+12 V	-5 V	-12 V	+5 Vsb
	Min. Load	0.5 A	3 A	1 A	0 A	0 A	0 A
	Max. Load	25 A	30 A	12 A	0.5 A	1 A	1A
	Regulation	±5%	+5/-4%	±5%	+10/-8%	±5%	±5%
	Ripple & Noise (MAX.)	50mV	50mV	120mV	120mV	70mV	50mV
	Efficiency (TYP)	SDX-250-24: 66% SDX-250-48: 68%					
INPUT	Voltage	SDX-250-24 19V~32V		SDX-250-48 36V~72V.			
	Current	SDX-250-24 <20A@19V DC		SDX-250-48 <11A@36V DC.			
	Inrush Current	SDX-250-24 CERAMIC FUSE,20A/250V		SDX-250-48 CERAMIC FUSE,12A/250V			
PROTECTION	Over Load Protection	Over 105% ~ 150% of rating, shutdown					
	Over Voltage Protection	+3.8V~+4.6V	+5.8V~+7.0V	+13.8V~+17.5V	---	---	---
	Short Circuit Protection	SDX-250-24 Shutdown	SDX-250-48 Shutdown	and auto recovery.			
	Input Voltage Protection Shutdown	SDX-250-24 Under Voltage Protection	<15V~18V	Over Voltage Protection	>33V~36V.		
	SDX-250-48 Under Voltage Protection	<32V~36V	Over Voltage Protection	>72~78V.			
OTHERS	Rise time	<20mS					
	TTL Signal	Power Good Signal, PS-ON Input Signal.					
	Cooling	A 36CFM (min.) DC Fan					
Environment	Temperature	SDX-250-24 Operating: 0~70 ; derating: 45 ~70 : 2.5%/ . Storage: -10~+75 SDX-250-48 Operating: 0~70 ; derating: 45 ~70 : 2.0%/ . Storage: -10~+75					
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)					
M.T.B.F.	SDX-250-24 130K SDX-250-48 110K.						
SAFETY		SDX-250-24 UL 60950 3rd, CSA C22.2 No.60950 3rd,TUV EN 60950,IEC 60950, EMKO-TSE (74-SEC)207/94 Standard.					
		SDX-250-48 UL 1950 3rd, CSA C22.2 No.60950 3rd, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94 Approved.					
EMC	EMI	FCC CFR 47 PART 15 CLASS J, EN 50081-1, CNS 13438 CALSS B.					
	EMS	EN 50082-1 (1997)					



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Dimension:

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