



**SUNPOWER TECHNOLOGY CORP.**  
 33485 WESTERN AVE. UNION CITY, CA 94587, UNITED STATES  
 TEL: 510.489.5088 FAX: 510.489.8966  
 http://www.sunpower-usa.com  
 E-mail: sales@sunpower-usa.com

# SDX-160-12

**160W, DC-DC**

For ATX System



150 x 140 x 86 mm  
 5.90 x 5.51 x 3.39 inch

## Features:

DC input 12V (9.5V ~ 16V)
Input and output isolation
Soft start function, low inrush current
Input under and over voltage protection
Over load, over voltage & short circuit protection
Power good signal / PS-ON signal
+3.3V & +5V output remote sensing
Built-in long life ball bearing fan
100% 50 burn-in test
Meet Intel ATX 2.01 / ATX2.03
Meet UL, cUL, TUV, CB, CE standard

## Specification:

	V1	V2	V3	V4	V5	V6	
OUTPUT	Voltage	+3.3V	+5V	+12V	-5V	-12V	+5Vsb
	Min. Load	0A	3A	0.5A		0A	
	Max. Load	15A	20A	7A	3A	1.5A	1.5A
	Regulation	±5%		+5/-6%	±5%	+10/-8%	±5%
	Ripple Noise (max)	50mV		120mV	70mV	150mV	50mV
	Efficiency (typ)	60%					
Max Power	+3.3V & +5V max 100W, total output max 160W,						
INPUT	Voltage	DC 9.5V ~ 16V Typical 12V					
	Current	<22.5A @ 12V DC input, full load condition					
PROTECTION	Input Protection	30A / 125V ceramic fuse					
	Over Load Protection	Over 105% ~ 150% of rating, shutdown. Auto recovery when fault condition been removed.					
	Over Voltage Protection	+5V: +5.8V~+7.0V, +12V: +13.8V~+17.5V. Shutdown. Auto recovery when fault condition been removed.					
	Short Circuit Protection	Shutdown. Auto recovery when fault condition been removed.					
OTHERS	Setup time	----					
	Rise time	<20mS					
	Hold up time	----					
	Power Good Signal	Power on within 100 ~ 500ms, high level TTL signal release					
	PS-ON Signal	TTL high = power off; TTL low = power on					
	Cooling	A 36CFM (min.) DC ball bearing Fan					
Environment	Temperature	Operating: 0~70 ; derating: 45 ~70 : 2.0%/ . Storage: -10~+75					
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)					
M.T.B.F.	173K hours						
SAFETY	UL 1950, CSA C22.2 No. 950, 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.: 1.7Kg / 1pc; 12pcs / 1.95 Cu ft <sup>3</sup> / 1 CTN						



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Dimension:

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