



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-6170-12

## 170W, Six Output For Industrial 1U System

205 x 100 x 40.6 mm  
 8.07 3.94 x 1.60 inch

Features:							
Input and output isolation							
Input under and over voltage protection							
Over load, over voltage & short circuit protection							
Built-in long life ball bearing fan							
100% 45 burn-in test							
Meet Intel ATX 2.01 / ATX 2.03 / ATX 12V / EPS							
Meet UL, cUL, TUV, CB, CE standard							
1 year warranty							
Specification:							
INPUT	Voltage	10V ~ 18V DC (Typical 12V)					
	Current	<30A @ 12V DC input.					
OUTPUT	Voltage	V1	V2	V3	V4	V5	V6
		+3.3V	+5V	+12V	-5V	-12V	+5Vsb
	Min. Load	0A	3A	1A		0A	
	Max. Load	10A	18A	10A	0.5A	0.8A	2A
	Regulation	±5%				±10%	±5%
	Ripple Noise (MAX.)	50mV		120mV	50mV	120mV	100mV
	Efficiency (TYP.)	60%					
Max Power	170W						
PROTECTION	Input Protection	Fuse, 30A/32V.					
	Over Voltage Protection	+3.3V: +3.8V~+4.6V, +5V: +5.8V~+7.0V, +12V: +13.8V~+17.5V. Shutdown and recovers automatically after fault condition has been removed.					
	OverLoad Protection	Over 105% ~ 150% of 170W, shutdown and recovers automatically after fault condition has been removed.					
	Short Circuit Protection	Shutdown and recovers automatically after fault condition has been removed.					
OTHER	Rise time	<100mS					
	TTL Signal	Power Good Signal, PS-ON Input Signal					
	Cooling	Built-in a 10CFM DC ball bearing Fan.					
Environment	Temperature	Operating: -10~70 ; De-rating: 45 ~70 : 2.5%/ . Storage: -10~+75					
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)					
M.T.B.F.	138K hours						
SAFETY	UL 60950-1 <sup>st</sup> , CSA C22.2 No.60950-1 <sup>st</sup> , TUV EN 60950-1 <sup>st</sup> , IEC 60950-1 <sup>st</sup> , EMKO-TSE(74-SEC)207/94 standard.						
EMC	EMI	EN 55022 CLASS B FCC CFR 47 PART 15 CLASS B CNS 13438 CALSS B.					
	EMS	EN 55024 EN 61000-4-2,3,4,5,6,8.					



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**Dimension:**

## SDX-6170 Series

