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# SPD-060 Series

## 60W, Single Output Adapter



84 x 154 x 52.5 mm  
 3.30 x 6.06 x 2.08 inch

### Features:

- \* Universal AC input 88 ~ 264VAC
- \* Low ripple noise
- \* Over load, over voltage & short circuit protection
- \* AC inlet IEC 320 C14
- \* Single output models non min load requirement
- \* 100% 50°C burn-in test
- \* UL, cUL, TUV, CB, CE standard
- \* 1 years warranty

### Specification:

MODEL	SPD-060-24	SPD-060-48	SPD-060-D1		
OUTPUT	Voltage	24V	48V	+12V	-12V
	Min. Load	0A		0.3A	0A
	Max. Load	2.5A	1.25A	4A	1A
	Regulation	±3%			
	Ripple Noise(max)	240mV	480mV	120mV	
	Efficiency (typ)	78%	80%	78%	
	Max. Power	60W			
INPUT	Voltage	AC 88V --- 264V Universal full range			
	Frequency	47 ----- 63 Hz			
	Current	1.8A max at 100V AC input, full load condition			
	Inrush Current	<25A@115V / <50A@230V AC input, full load condition. Cold start at 25°C ambient			
	Leakage Current	<1.5mA@264V AC input			
PROTECTION	Over Load Protection	Shutdown; recovers automatically after fault condition has been removed.			
	Over Voltage Protection	+12V: +13.4V ~ +16.4V; +24V: +27.6V ~ +33.6V; +48V: +55.2V ~ +67.4V			
	Short Circuit Protection	Shutdown; recovers automatically after fault condition has been removed			
OTHERS	Rise time	<100mS			
	Hold up time	>20mS@230V			
	Cooling	Natural Cooling			
Environment	Temperature	Operating: 0~55°C; derating: 40°C ~55°C : 2.5%/°C. Storage: -10~+75°C			
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)			
M.T.B.F.	SPD-060 Series: 321K hours; SPD-060-D1: 200K 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)			
Packing	N.W.: Kg / 1pc; pcs / Cuft <sup>3</sup> / 1CTN				

### Dimension:

