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# SPS-035-D Series

35W, Dual Output



99 x 82 x 35 mm  
 3.9 x 3.23 x 1.38 inch



## Features:

Power ON with LED indicator
Built in EMI filter, low ripple noise
Over load, over voltage protection
Short circuit shutdown and Auto recovery
100% 50 burn-in test
UL, cUL, CB, CE approved
3 years warranty

## Specification:

INPUT	Voltage	85~264 VAC or 120~375VDC, universal full range.							
	Frequency	47 ---- 63 Hz							
	Current	<1.0A @100V AC, full load condition							
	Inrush Current	<30A@115V / <50A@230V AC input, full load condition. Co ld start at 25 ambient							
	Leakage Current	<1.0mA@240V AC input							
OUTPUT	Model NO.	SPS-035-D1		SPS-035-D2		SPS-035-D3		SPS-035-D4	
	Output	V1	V2	V1	V2	V1	V2	V1	V2
	Voltage	+5V	+12V	+5V	+24V	+12V	-12V	+15V	-15V
	Min. Load	0.3A	0.1A	0.3A	0.1A	0.3A	0.1A	0.3A	0.1A
	Max. Load	4.0A	1.5A	4.0A	1.3A	1.5A	1.5A	1.3A	1.3A
	Regulation	±3%	±5%	±3%	±5%	±2%	±5%	±2%	±5%
	Ripple Noise (MAX.)	50mV	120mV	50mV	240mV	120mV	120mV	150mV	200mV
	OVP	+5V: +5.8 ~ 7.0V		+5V: +5.8 ~ 7.0V		+12V: +13.8 ~ 17.5V		+15V: +17.3 ~ 21V	
Efficiency (MIN.)	75%		75%		76%		76%		
PROTECTION	Over Load Protection	Over 105% ~ 180% of rating, recovers automatically after fault condition has been removed.							
	Over Voltage Protection	✓							
	Short Circuit Protection	Shutdown, recovers automatically after fault condition has been removed.							
OTHERS	Setup time	<2.0Sec @115V, <0.8Sec @230V							
	Rise time	<20mS							
	Hold up time	>40mS@230V							
	Cooling	Natural Cooling							
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.	472K hours								
SAFETY	UL 60950-1 <sup>st</sup> , CSA C22.2 No.60950-1-03 1 <sup>st</sup> approved. 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 EN 61000-3-2,3 FCC CFR 47 PART 15 CLASS B CNS 13438 CLASS B.							
	EMS	EN 55024 EN 61000-4-2,3,4,5,6,8,11.							

