

## SDD-250 Series - 250W PS2 DC-DC AT Power Supply

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### 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
- 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°C burn-in test

### Standards



### Case Details

150 x 140 x 86mm

### Specification

<b>Input Voltage</b>	SDD-250-24 : 19V~32V ; SDD-250-48 : 36V~72V
<b>Input Current</b>	SDD-250-24 : <19A@19V DC ; SDD-250-48 : <11A@36V DC.
<b>Over Load Protection</b>	Over 105% ~ 150% of rating, shutdown
<b>Short Circuit Protection</b>	Shutdown
<b>Input Protection</b>	Ceramic fuse,20A/125V
<b>Input Voltage Protection Shutdown</b>	SDD-250-24: Under Voltage Protection: <15V~18V, Over Voltage Protection: >32~36V.
<b>Input Voltage Protection Shutdown</b>	SDD-250-48: Under Voltage Protection: <30V~35V, Over Voltage Protection: >74~80V.
<b>Rise time</b>	<20mS
<b>TTL Signal</b>	Power Good Signal
<b>Cooling</b>	Built-in a DC Fan.
<b>Temperature</b>	Operating: -10~70°C; derating: 45°C ~70°C : 2.5%/°C. Storage: -10~+75°C
<b>Humidity</b>	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)
<b>M.T.B.F.</b>	188K
<b>SAFETY</b>	UL 60950, CSA C22.2 No.60950, TUV EN 60950, IEC 60950,EMKO-TSE (74-SEC)207/94 Approved.
<b>EMI</b>	EN 55022 CLASS B, FCC CFR 47 PART 15 CLASS B, CNS 13438 CLASS B.
<b>EMS</b>	EN 55024 : EN 61000-4-2,3,4,5,6,8.

## Items

SDD-250-24/48

Part No	Voltage	Min. Load	Max. Load	Reg	R & N (max)	Eff (typ)
<u>SDD-250-24</u>	+5 V	3 A	30 A	+5/-4%	50mV	69%
	+12 V	1 A	12 A	±5%	120mV	69%
	-5 V	0 A	8 A	±5%	50mV	69%
	-12 V	0 A	2.7 A	+10/-8%	200mV	69%
<u>SDD-250-48</u>	+5 V	3 A	30 A	+5/-4%	50mV	72%
	+12 V	1 A	12 A	±5%	120mV	72%
	-5 V	0 A	0.5 A	±5%	50mV	72%
	-12 V	0 A	1 A	+10/-8%	200mV	72%

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