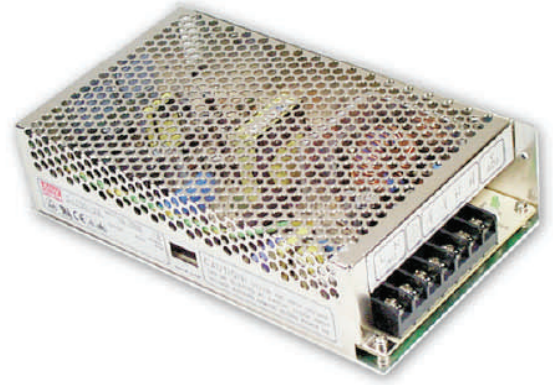


SD-150 Series

150W Single Output DC-DC Converter



FEATURES

- 2:1 wide input range
- Short circuit / overload / over voltage protections
- 1500VDC I/O isolation
- Built in EMI filter, low ripple & noise
- 100% full load burn-in test
- Fixed switching frequency at 83kHz
- Low cost
- High reliability

ENVIRONMENTAL

Operating Temp: -10 to +60°C
With de-rating

Storage Temp: -20 to +85°C

SAFETY / EMC

EN60950-1 CB approved by TUV (for D type only)

EN55022 Class B
EN61000-4-2, 3, 4, 6, 8
ENV50204 / light industry level / criteria A

ELECTRICAL SPECIFICATIONS

Model No.	SD-150B-12	SD-150C-12	SD-150D-12	SD-150B-24	SD-150C-24	SD-150D-24
Input Voltage Range	B: 19 ~ 36VDC / C: 36 ~ 72VDC / D: 72 ~ 144VDC					
Input Current	6.8A at 24VDC / 3.4A at 48VDC / 2.7A at 96VDC					
DC Output						
Voltage	12V			24V		
Current	0 ~ 12.5A			0 ~ 6.3A		
Rated Power	150W			151.2W		
Ripple & noise (p-p)	120mV			150mV		
Voltage Tolerance	±1.0%			±1.0%		
Line Regulation	±0.5%			±0.3%		
Load Regulation	±0.5%			±0.3%		
Overload	105~135% rated output power. Foldback current limiting. Recovers automatically when condition removed.					
Over Voltage	16.8 ~ 20V / 10% load			31.5 ~ 37.5V / 10% load		
Dimensions	Hiccup mode. Recovers automatically when condition removed.					
Weight	199(L) x 110(W) x 50(H)mm					
	0.86Kg					

Specifications subject to change without notice

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