



## SDS-060B Series - 60W Single Output Enclosed DC-DC Converter

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Features	Standards
<ul style="list-style-type: none"><li>24V DC Input</li><li>Input under voltage protection</li><li>Input polarity reverse protection</li><li>Soft start function, low inrush current</li><li>Over load, over voltage, short circuit protection</li><li>Output voltage <math>\pm 10\%</math> adjustment</li><li>No minimum load requirement</li><li>100% 50°C burn-in test</li><li>Meets UL, cUL, TUV standards</li><li>High efficiency, high reliability</li><li>Light weight</li></ul>	 

Specification	
<b>Input Range</b>	18VDC ~ 36V DC (Typically 24V)
<b>Input Current</b>	<4.6A@18V DC 6.3A/250V
<b>Input Protection</b>	Ceramic fuse 6.3A/205V
<b>Over Voltage Protection</b>	Unit will shutdown if an over voltage conditions occurs. Auto recovery once fault is removed
<b>Over Load Protection</b>	105% ~ 180% of rated output. Auto recovery
<b>Short Circuit Protection</b>	Unit will shutdown if a short circuit conditions occurs. Auto recovery once fault is removed
<b>Input Voltage Protection</b>	<15VDC ~ 17VDC Unit will shutdown
<b>Rise Time</b>	<20ms
<b>Cooling</b>	Natural cooling
<b>Operation Temperature</b>	0°C to +70°C, derating: 45°C~70°C:2%/°
<b>Storage Temperature</b>	-10°C to +75°C
<b>Operation Humidity</b>	20% to 85% RH non condensing
<b>Storage Humidity</b>	10%~95% non condensing
<b>MTBF</b>	>340,000 hours
<b>Safety</b>	UL60950, CSA C22.2 No 60950, TUV EN 60 950, IEC 60950, EMKO-TSE (74-SEC)207/94
<b>EMI</b>	FCC CFR 47 PART 15 Class B, EN 50081-1, CNS 13438 Class B, EN50082-1 (1997)
<b>EMS</b>	EN 55024 : EN 6100-4-2,3,4,5,6,8.

## Items

### SDS-060B Series

Part No	Voltage	Max Load	Regulation	Ripple Noise (MAX)	Efficiency (TYP)	Max Power	Over Voltage Protection
SDS-060B3.3	3.3V	15A	±3%	50mV	68%	50W	3.8V ~ 4.6V
SDS-060B05	5V	12A	±2%	50mV	74%	60W	5.8V ~ 7.0V
SDS-060B12	12V	5A	±1%	100mV	76%	60W	13.8V ~ 17.5V
SDS-060B15	15V	4A	±1%	120mV	76%	60W	17.3V ~ 21.0V
SDS-060B24	24V	2.5A	±1%	150mV	76%	60W	27.6V ~ 33.6V
SDS-060B48	48V	1.3A	±1%	240mV	76%	60W	55.2V ~ 67.2V

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