

SDS-060C Series - 60W Single Output Enclosed DC-DC Converter

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Features	Standards
48V DC Input Input under voltage protection Input polarity reverse protection Soft start function, low inrush current Over load, over voltage, short circuit protection Output voltage $\pm 10\%$ adjustment No minimum load requirement 100% 50°C burn-in test Meets UL, cUL, TUV standards High efficiency, high reliability Light weight	 

Specification	
Input Range	36VDC ~ 72VDCTypically 48V
Input Current	<2.4A @36V full load
Input Voltage Protection	4A/250V
Over Voltage Protection	Unit will shutdown if an over voltage conditions occurs. Auto recovery once fault is removed
Over Load Protection	105% ~ 180% of rated output. Auto recovery
Short Circuit Protection	Shutdown if a short circuit conditions occurs. Auto recovery once fault is removed
Input Protection	Ceramic fuse 4A/250V
Rise Time	<20ms
Cooling	Natural cooling
Operation Temperature	10°C to +70°C, derating: 45°C~70°C:2%/°C
Operation Humidity	20% to 85% RH non condensing
Storage Temperature	-10°C to +75°C
Storage Humidity	10%~95% non condensing
MTBF	>340,000 hours
Safety	UL60950, CSA C22.2 No 60950, TUV EN 60 950, IEC 60950, EMKO-TSE (74-SEC)207/94
EMI	EN 55022 CLAS B FCC CFR 47 PART 15 CLAS B CNS 13438 CLASS B
EMS	EN 55024 : EN61000-4-2-3,4,5,6,8.

Items

SDS-060 C Series

Part No	Voltage	Max Load	Regulation	Ripple Noise (MAX)	Efficiency (TYP)	Max Power	Over Voltage Protection
SDS-060C3.3	3.3V	15A	±3%	50mV	68%	50W	3.8V ~ 4.6V
SDS-060C05	5V	12A	±2%	50mV	74%	60W	5.8V ~ 7.0V
SDS-060C12	12V	5A	±1%	100mV	76%	60W	13.8V ~ 17.5V
SDS-060C15	15V	4A	±1%	120mV	76%	60W	17.3 ~ 21.0V
SDS-060C24	24V	2.5A	±1%	150mV	76%	60W	27.6 ~ 33.6V
SDS-060C48	48V	1.3A	±1%	240mV	76%	60W	55.2 ~ 67.2V