



20A

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DC-DC Step Down Converters

Model
SDC-23
20 Amps

Design Features

- Advanced switch-mode design
- Compact and light weight
- Reverse polarity protection
- High efficiency
- Cycle by cycle current limiting circuit
- Over voltage protection
- Short circuit protection

2 YEAR LIMITED WARRANTY

MODEL NO.		SDC-23
CAUTION! THERE IS NO ISOLATION BETWEEN THE INPUT AND THE OUTPUT INPUT AND OUTPUT HAVE A COMMON NEGATIVE		
OUTPUT	OUTPUT VOLTAGE	13.8 VDC \pm 0.1 V
	CONTINUOUS OUTPUT CURRENT	20 A
	PEAK OUTPUT CURRENT	23 A
	CURRENT LIMIT	24 \pm 0.5 A
	LOAD REGULATION	< 0.5%
INPUT	INPUT VOLTAGE	20-35 VDC
	INPUT CURRENT AT NO LOAD	< 150 mA
	LINE REGULATION	< 0.5%
	EFFICIENCY (at maximum output)	> 88%
	RIPPLE	< 50 mV P-P @ 20 A
FUSES	NOISE	< 120 mV P-P @ 20 A
	INTERNAL INPUT FUSE (Inside the fuse holder)	15A, 250V (Bussmann AGC-15 or equivalent)
	EXTERNAL INPUT FUSE (at the battery end) (Not supplied)	15A, 32V (Automotive Blade Type : ATO/ATC)
	EXTERNAL OUTPUT FUSE (Not supplied)	20A, 32V (Automotive Blade Type : ATO/ATC)
	PROTECTIONS	Overload, short circuit
WIRES	INPUT WIRE SIZE	#10 AWG
	OUTPUT WIRE	#8 AWG
ENVIRONMENT	OPERATING ENVIRONMENT	Indoor use
	OPERATING TEMPERATURE RANGE	0°C - 40°C / 32° - 104°F
GENERAL	DIMENSIONS, MM (W x D x H)	198 x 122 x 60
	DIMENSIONS, INCHES (W x D x H)	7.8 x 4.8 x 2.4
	WEIGHT, KG	1
	WEIGHT, LB	2.2

NOTE: Specifications are subject to change without notice

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