



samlexamerica

12A



DC-DC Step Down Converters

Model
SDC-15
12 Amps

Design Features

- Advanced switchmode design
- Mount in almost any location
- Compact and light weight
- Reverse polarity protection
- High efficiency
- Cycle by cycle current limiting circuit
- Over voltage protection
- Short circuit protection

Applications

- Earth moving equipment
- Heavy trucks
- Buses
- Marine vehicles
- CB radios
- 12 Volt lighting systems
- AM / FM sound systems

MODEL NO. SDC-15

CAUTION! THERE IS NO ISOIATION 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	12 A
	PEAK OUTPUT CURRENT	15 A
	CURRENT LIMIT	16 \pm 0.5 A
INPUT	INPUT CURRENT AT NO LOAD	< 150 mA
	INPUT VOITAGE	20 - 35 VDC
	LOAD REGUIATION	0.15 V, 26 V, 0 - 12 A
	EFFICIENCY (at maximum output)	> 88%
FUSES	RIPPIE	< 10 mV P-P @ 12 A
	NOISE	< 40 mV P-P @ 12 A
	OPERATING TEMPERATURE RANGE	0 - 40° C
	ExTERNAL INPUT FUSE (at the battery end)	32 V, 10 A
WIRES	ExTERNAL OUTPUT FUSE	32 V, 15 A
	PROTECTIONS	Overload, short circuit
GENERAL	INPUT WIRE SIZE	#12 AWG
	OUTPUT WIRE	#10 AWG
	DIMENSIONS, MM (l x W x H)	60 x 122 x 198
	DIMENSIONS, INCHES (l x W x H)	2.4 x 7.8 x 4.8
	WEIGHT, KG	0.9
	WEIGHT, LB	2