



samlexamerica

# 20A



## DC-DC Step Down Converters

Model  
SDC-23  
20 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

## 2 YEAR WARRANTY

MODEL NO.		SDC-23
<b>CAUTION! THERE IS NO ISOLATION BETWEEN THE INPUT AND THE OUTPUT INPUT AND OUTPUT HAVE A COMMON NEGATIVE</b>		
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
INPUT	INPUT VOLTAGE	20-35 VDC
	INPUT CURRENT AT NO LOAD	< 150 mA
	LOAD REGULATION	0.15 V, 26 V, 0 - 20 A
	EFFICIENCY (at maximum output)	> 88%
	RIPPLE	< 50 mV P-P @ 20 A
	NOISE	< 120 mV P-P @ 20 A
FUSES	OPERATING TEMPERATURE RANGE	0 - 40° C
	EXTERNAL INPUT FUSE (at the battery end)	32 V, 10 A
	EXTERNAL OUTPUT FUSE	32 V, 15 A
	PROTECTIONS	Overload, short circuit
WIRES	INPUT WIRE SIZE	#10 AWG
	OUTPUT WIRE	#8 AWG
GENERAL	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	1
	WEIGHT, LB	2.2

NOTE: Specifications are subject to change without notice