



# SAMLEX POWER PRODUCTS



## SDC Series DC-DC Converters

### FEATURES

- Advanced switchmode design*
- Mount in almost any location*
- Compact and light weight*
- Reverse polarity protection*
- High efficiency*
- Cycle by cycle current limiting circuit*
- Overvoltage protection*
- Short circuit protection*
- 2 Year Warranty*

### APPLICATIONS

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



**20 Amps**

### TECHNICAL SPECIFICATIONS

Model	SDC-20
CAUTION! THERE IS NO ISOLATION BETWEEN THE INPUT AND THE OUTPUT INPUT AND OUTPUT HAVE A COMMON NEGATIVE	
Output Voltage	13.8 VDC $\pm$ 0.1 V
Continuous Output Current	15 A
Peak Output Current	20 A
Current Limit	21 $\pm$ 0.5 A
Input Current at No Load	< 150 mA
Load Regulation	0.15 V, 26 V, 0 - 15 A
Efficiency (at Maximum Output)	> 88%
Ripple	< 50 mV P-P @ 15 A
Noise	< 120 mV P-P @ 15 A
Operating Temperature Range	0 - 40° C
External Input Fuse (at the Battery End)	32 V, 15 A
External Output Fuse	32 V, 15 A
Protections:	Overload Short Circuit
Safety and EMC Standards:	
Emission	EN50081-1
Immunity	EN50082-1
Automotive Directive	95/45/EC
Hazardous Location Classification *	Class 1, Div 2, Gp. C & D, T6
Input Wire Size	# 10 AWG
Output Wire	# 8 AWG
Dimensions (H x W x D)	2.4" x 7.8" x 6.5"
Weight	3.5 lbs

\* In accordance with Canadian Electrical Code, Part I

Technical Specifications subject to change without notification.