



# 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*



**15 Amps / 23 Amps**

### TECHNICAL SPECIFICATIONS

Model	SDC-15	SDC-23
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	13.8 VDC $\pm$ 0.1 V
Continuous Output Current	12 A	20 A
Peak Output Current	15 A	23 A
Current Limit	16 $\pm$ 0.5 A	24 $\pm$ 0.5 A
Input Current at No Load	< 150 mA	< 150mA
Load Regulation	0.15 V, 26 V, 0 - 12 A	0.15 V, 26 V, 0 - 20 A
Efficiency (at Maximum Output)	> 88%	> 88%
Ripple	< 10 mV P-P @ 12 A	< 50 mV P-P @ 20 A
Noise	< 40 mV P-P @ 12 A	< 120 mV P-P @ 20 A
Operating Temperature Range	0 - 40° C	0 - 40° C
External Input Fuse (at the Battery End)	32 V, 10 A	32 V, 15 A
External Output Fuse	32 V, 15 A	32 V, 20 A
Protections:	Overload Short Circuit	
Safety and EMC Standards:		
Emission	EN50081-1	EN50081-1
Immunity	EN50082-1	EN50082-1
Automotive Directive	95/45/EC	95/45/EC
Input Wire Size	# 12 AWG	# 10 AWG
Output Wire	# 10 AWG	# 8 AWG
Dimensions (H x W x D)	2.4" x 7.8" x 4.8" / 60 x 122 x 198 mm	
Weight	2 lbs / 0.9 Kg	2.2 lbs / 1 Kg

Technical Specifications subject to change without notification.