

POWER CONVERSION 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 Protected
- 2 Year Warranty

APPLICATIONS

- Earth moving equipment
- Trucks
- Buses



12 Amps

TECHNICAL SPECIFICATIONS

Model	SDC-12
CAUTION! THERE IS NO ISOLATION BETWEEN THE INPUT AND THE OUTPUT INPUT AND OUTPUT HAVE A COMMON NEGATIVE	
Input to Output isolation	Not isolated. Input and output connections have a common negative
Input Voltage	20 to 35 VDC
Output Voltage	13.6 VDC \pm 0.1V
Output voltage regulation	3%
Input Current at No Load	<5 mA
Output Current	
Continuous	12 A
Current Limit *	12.5 A
Output Ripple and Noise	less than 50 mV RMS
Efficiency	~ 92%
Operating Ambient Temperature	- 20° to + 30° C (derate linearly to zero at 70° C)
Humidity	Max. 95%. non condensing
Protections:	
Overload	By current Limiting
Over Heating	Drop in Output Voltage
Reverse Polarity	Fuse Protection
Over Voltage	Varistor (also protects against load dump)
Input Side Fuse	12 A (inside the unit)
Approval	CE & Automotive
Input / Output Connections	Terminal Block - 6.3 mm male flat tab. quick connect
Dimensions (L x W x H)	98 x 88 x 49 mm
Weight	0,25 Kgs

* Note: In current limit condition, the output voltage will drop if the current drawn increases beyond the current limit value of 12.5 A

Technical Specifications subject to change without notification.