

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
- E4 Approval

APPLICATIONS

- Earth moving equipment
- Trucks
- Buses



8 Amps

TECHNICAL SPECIFICATIONS

Model	SDC-10M
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	18 to 32 VDC
Output Voltage	13.8 VDC \pm 0.1V \pm 12DC 100mA Memory
Output voltage regulation	1%
Input Current at No Load	<3 mA (<4 mA for Memory part)
Output Current	
Continuous	8 A
Current Limit *	10 A
Output Ripple and Noise	less than 40 mV RMS
Efficiency	~ 92%
Operating Ambient Temperature	- 20° to + 40° C (derate 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	10 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 x100 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 8.5 A

Technical Specifications subject to change without notification.