

POWER CONVERSION PRODUCTS

SDC Series DC-DC Converters

FEATURES

- Advanced switch-mode 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
- Heavy trucks
- Buses



30 AMPS

TECHNICAL SPECIFICATIONS

Model	SDC-30
	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	13,8 VDC±0,1V
Output Voltage Regulation	3%
Input Current at No Load	< 25MA
Output Current Continuous	30 A
Current Limit*	35 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
Cooling	Temperature controlled fan
Over Heating	Drop in Output Voltage
Reverse Polarity	Fuse Protection
Over Voltage	Varistor (also protects against load dump)
Input Side Fuse	30 A (inside the unit)
Approval	CE & Automotive
Input / Output Connections	Terminal Block-6.3 mm male flat tab. quick connect
Dimensions (LxWxH)	151x88x49 mm
Weight	0,6 Kgs

* Note: In current limit condition, the output voltage will drop if the current drawn increases beyond the current limit value of 35A

Technical Specifications subject to change without notification