



DC-DC Step Down Converters

Model
SDC-30

Design Features

- Advanced switchmode design
- Mount in almost any location
- Compact and light weight
- Reverse polarity protection
- High efficiency
- Cycle by cycle current limiting circuit
- Over voltage 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

MODEL NO. 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 32 VDC
	OUTPUT VOLTAGE:	13.8 VDC \pm 0.1 V
	OUTPUT VOLTAGE REGULATION:	3%
	INPUT CURRENT AT NO LOAD:	< 25 mA
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, 30 A
	OVER VOLTAGE:	Varistor (also protects against load dump)
	INPUT SIDE FUSE:	30 A (inside the unit)
SAFETY AND EMC STANDARDS	EMISSION:	EN50081-1
	IMMUNITY:	EN50082-1
	AUTOMOTIVE DIRECTIVE:	95 / 45 / EC
	INPUT / OUTPUT CONNECTIONS:	Terminal Block - 6.3 mm male flat tab, quick connect
WEIGHT	LBS:	1.5
	KG:	0.6
DIMENSIONS (L X W X H)	INCHES:	1.9 x 3.5 x 5.9
	MM:	48 x 89 x 151

Specifications are subject to change without notice

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