



samlexamerica

30A



dc-dc Step down Converters

Model
SDC-30
30 Amps

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

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		
VOITAGE	INPUT TO OUTPUT ISOIATION	Not isolated. Input and output connections have a common negative
	INPUT VOITAGE	20 to 32 VDC
	OUTPUT VOITAGE	13.8 VDC ± 0.1 V
	OUTPUT VOITAGE REGUIATION	3%
	INPUT CURRENT AT NO IOAd	< 25 mA
OUTPUT CURRENT	CONTINUOUS CURRENT	30 A
	CURRENT IIMIT *	35 A
ENVIRONMENT	OUTPUT RIPPIE AND NOISE	less than 50 mVRMS
	EFFICIENCY	~ 92%
	OPERATING AMBIENT TEMPERATURE	- 20o to + 30o C (derate linearly to zero at 70o C)
	HUMIdITY	Max. 95%, non condensing
PROTECTIONS	OVERIOAd	Bycurrent limiting
	COOIING:	Temperature controlled fan
	OVER HEATING	Drop in output voltage
	REVERSE POIARITY	Fuse protection, 30 A
	OVER VOITAGE	Varistor (also protects against load dump)
SAfETY AND EMC STANDARdS	EMISSION	EN50081-1
	IMMUNITY	EN50082-1
	AUTOMOTIVE dIRECTIVE	95 / 45 / EC
GENERAi	INPUT / OUTPUT CONNECTIONS	Terminal Block - 6.3 mm male flat tab, quick connect
	dIMENSIONS, MM (l x W x H)	48 x 89 x 151
	dIMENSIONS, INCHES (l x W x H)	1.9 x 3.5 x 5.9
	WEIGHT, KG	0.6
	WEIGHT, IB	1.5

Specifications are subject to change without notice

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