



samlexamerica

60A



DC-DC Step down Converters

Model
SDC-60
60 Amps

Design 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
- 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-60

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 35 VDC
	OUTPUT VOITAGE	13.8 VDC ± 0.1 V
	OUTPUT VOITAGE REGULIATION	3%
	INPUT CURRENT AT NO IOAd	< 50 mA
OUTPUT CURRENT	CONTINUOUS CURRENT IIMIT *	60 A 70 A
	OUTPUT RIPPIE And NOISE	less than 50 mVRMS
ENVIRONMENT	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
	OVER VOLTAGE	Varistor (also protects against load dump)
SAFETY AND EMC STANDARdS	INPUT Side FUSE	60 A (2 pieces of 32 V, 30A in parallel)
	EMISSION	EN50081-1
	IMMUNITY	EN50082-1 AUTOMOTIVE
GENERALI	DIReCTIVE	95 / 45 / EC
	INPUT / OUTPUT CONNECTIONS	Terminal Block - M6 bolt and nut
	dIMENSIONS, MM (l x W x H)	90 x 93 x 1772.6
	dIMENSIONS, INCHES (l x W x H)	3.5 x 3.6 x 7
	WEIGHT, KG	1.2
WEIGHT, lB	2.6	

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

12004-SDC-60-0812