



1000 WATT DC DC CONVERTERS.

OTHER VOLTAGES AVAILABLE.

MODEL	INPUT	OUTPUT	VIA	MODEL	INPUT	OUTPUT	VIA
SM 5301	36V DC	96V DC	DC Cable	SM 5305	48V DC	96V DC	DC Cable
SM 5302	36V DC	110V DC	DC Cable	SM 5306	48V DC	110V DC	DC Cable
SM 5303	36V DC	125V DC	DC Cable	SM 5307	48V DC	125V DC	DC Cable



TEMPORARY PICTURE SHOWING BASIC SHAPE.

- VIRTUALLY SILENT USE (FAN ONLY).
- HIGH OUTPUT POWER IN COMPACT SIZE.
- LATEST POWER PUSH © SURGE HANDLING.
- VERY HIGH CONVERSION EFFICIENCY.
- REMOTE ON / OFF CONTROL FACILITY.

GENERAL DESCRIPTION. Small floor mounting converters, available with other input and output voltages, generating high voltages, capable of powering equipment from any 36 or 48 volt battery systems (model specific). Models with appropriate sockets are available to suit all countries.

The input terminals are isolated from the case allowing either positive or negative earth supplies. The output is isolated via a safety barrier from the input.

The specification allows for up to 1000 watts of continuous power to be used, with up to 10 minutes at 1100 watts, 'Power push' technology usually allows operation of equipment drawing a starting surge of over 4 kilowatts.

The battery input is via flat 5mm screw terminals (covered) mounted on the rear of the unit. The unit may be turned off and on remotely, by a low current control input supplied

CAUTION: This adaptor is supplied on the basis of the user determining the suitability for the purpose for which it is to be used. Do not use in a moving vehicle without the consent of the vehicle manufacturer. Do not use for aviation or marine applications without our written agreement. Do not use for life dependent applications. The unit is floating so it is suitable for negative or positive earth systems.

from battery positive via a small switch or from a switch on the front panel.

CONNECTION: A **Heavy Duty Wiring Kit**, part no. SM2793, is available, consisting of 16mm² cable, 2 metres long, terminated in suitable heavy duty eyelet terminals.

BATTERY SELECTION: Only heavy-duty (high discharge rate) batteries are suitable as a power source. Fully sealed types should be used in enclosed spaces (especially inside the home). Ordinary car batteries are only suitable in well ventilated areas. Fuse Battery at source.

SPECIFICATION:	36V TYPES	48V TYPES
INPUT		
Battery:	36V nominal.	48V nominal.
Voltage Range:	33V - 45V	43.2V - 64V
Current, No Load:	0.3A	0.2A
Per 10W loading:	0.33A	0.25A
Remote On/Off:	The units draw <1mA until the control input is connected to battery positive.	

OUTPUT		
Output Voltage:	96V or 110V or 125V ± 3%.	
Constant Current Limit:	115% ± 3%. at nominal voltage.	
Power, Nominal:	1000W continuous (resistive).	
Power, Short term:	1100W for 10 minutes.	
Power Push onset:	Output current >40A minimum.	
Protection:	Current and temperature limit.	

GENERAL	
Size:	170mm x 155mm x 180mm.
Weight:	3.4 Kg.
Storage Temperature:	-40 to +70C.
Operating Temperature:	-40 to +55C.
Manufacturer:	Made in the United Kingdom.