



120W INVERTER, 24V/48V DUAL INPUT, 115V AND 230V OUTPUT.

ISOLATED INPUT FOR POSITIVE OR NEGATIVE GROUND SYSTEMS.

SM4480 3 wire input and '230V' UK outlet.

SM4481 3 wire input and '230V' IEC outlet.

SM4482 3 wire input and '230V' SHUKO outlet.

SM4483 3 wire input and '230V' Flying IEC outlet.

SM4484 3 wire input and '230V' Cable outlet.

SM4485 3 wire input and '115V' IEC outlet (50Hz).

SM4486 3 wire input and '115V' IEC outlet (60Hz).

SM4487 3 wire input and '115V' Flying IEC outlet (50Hz).

SM4488 3 wire input and '115V' Flying IEC outlet (60Hz).

SM2791 Mounting bracket kit.



- 21.6V TO 56V DC FULL RANGE BATTERY INPUT.
- ISOLATED FOR POSITIVE OR NEGATIVE GROUND.
- HIGH OUTPUT POWER IN COMPACT SIZE.
- REMOTE ON / OFF CONTROL FACILITY.

GENERAL. These economic inverters convert battery voltage to mains, for powering small power tools and domestic appliances, etc. All models have an output power of 160 watts short term, and a continuous power available of 120 watts. Output is either by standard UK 13A, Euro SHUKO, IEC or flying IEC (Kettle type) socket.

'3 wire' versions are designed to be permanently installed with direct connection to the battery. A third low current signal lead taken to the battery positive via a switch turns the **HANDY MAINS** on and off. A separate green/yellow grounding wire is also provided for connection to local safety earth.

The **HANDY MAINS** may be mounted on a flat surface using the mounting bracket kit **SM 2791**.

BATTERY DRAIN: A figure of 0.5 amp (24V input) or 0.25 amp (48V input) for every 10 watts of output load is a good guide. Intermittently used power tools will not significantly drain the battery, but anything used continuously could.

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. RCD protection must be used if power tools are used outside.

SPECIFICATION:

INPUT

Battery:	Both 24V and 48V nominal.
Voltage Range:	21.6V - 56V.
Power, No Load:	6W
Per 10W loading:	0.5A at 24V input, 0.25A at 48V.
Remote On/Off:	The units draw <1mA until the on/off control input is connected to battery positive.

OUTPUT

Output Voltage:	230V or 115V± 10% RMS.
Frequency:	50Hz nominal, 48Hz to 53Hz. 60Hz nominal, 58Hz to 63Hz.
Output Wave Form:	Quasi sine wave.
Capacitive load (max):	0.5uF (230V) or 1.0uF (115V).
Power, Nominal:	120 Watts continuous (resistive).
Power, Short term:	160 Watts for 5 minutes.
Protection:	Current and temperature limit. Internal battery fuse for surge.

GENERAL

Size:	45mm x 141mm x 94mm.
Weight:	0.85 Kg.
Storage Temperature:	-40 to +70C.
Operating Temperature:	-40 to +35C.

We reserve the right to change the specification without notice.

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