



HIGH POWER 440W BATTERY CONVERTERS.

MODEL	INPUT	OUTPUT	MODEL	INPUT	OUTPUT
SM 3702	12V	27.6V, 16A	SM 3703	24V	13.8V, 32A
SM 3704	12V	55.2V, 8.0A	SM 3705	24V	55.2V, 8.0A
SM 3706	24V	27.6V, 16A	SM 3707	12V	13.8V, 32A



- **VERY HIGH CONVERSION EFFICIENCY.**
- **HIGH OUTPUT POWER IN COMPACT SIZE.**
- **CHARGE ANOTHER BATTERY AT 12 OR 24V.**
- **USE 12 OR 24V EQUIPMENT.**
- **REMOTE ON / OFF CONTROL.**
- **LOW BATTERY ALARM WITH AUTO SHUT-OFF .**

GENERAL DESCRIPTION: A powerful converter providing an output that is equivalent in voltage range to a 12 or 24V battery (depending on model). DC 'transformation' rather than tight voltage regulation gives major converter size and weight gain (not to mention efficiency) for a given output current.

Model **SM3702** approximately doubles the voltage of any 12V battery, matching commercial systems, and model **SM3703** halves the voltage of any 24V battery, matching normal 12V battery electrical performance. Note though that the user can set the output voltage by an internal trimpot to 12.1V / 24.1V, which will then be maintained over the input range. The **SM3707** is supplied set to 12.1V output.

The converter may also be used to charge a lead acid battery connected to its output, producing a dual voltage battery system. The input and output are ohmically isolated from each other, making installation very simple.

The unit is packaged in a powder coated folded metal box. Input wires enter on one side face, and an outlet terminal block is mounted on the top face. Flanges are provided for mounting at each end.

CAUTION: This adaptor is supplied on the basis of the user determining the suitability for the purpose for which it is to be used. It is not for life dependent use.

SPECIFICATION:

INPUTS

Nominal Voltage:	12V.	24V.
Input Voltage:	11V - 16V.	21.6V - 32V.
Current, No Load:	0.5A.	0.4A.
Current Per 10W load:	1A.	0.5A.
Low Battery Alarm:	10.5V.	20.7V.
Battery Low Latch Off:	9.6V.	19V.

OUTPUTS

Nominal Voltage:	12V.	24V.	48V.
Output Voltage:	13.8 ± 0.2V.	27.7 ± 0.3V.	55.2 ± 0.4V.
Current Limit:	33A ± 1.5A.	17A ± 0.5A.	8.5A ± 0.25A
Power, Nominal:	440 Watts.	440 Watts.	440 Watts.

GENERAL

Protection:	Over-current and short circuit output limit plus input fusing.
Size:	247mm x 103mm x 63mm.
Weight:	1200 grams.
Storage Temp Range:	-40 to +70C.
Operating Temp Range:	-40 to +40C.
	Made in England

- Switched Mode manufactures a range of Battery to AC Mains Inverters, with quasi- sinewave output. Output power ranges from 120W to 2.7KW.
- We offer a custom design service covering DC-DC and DC-AC Power Units. Call the Sales Office for details.