

# VM2500 - Data Sheet



## SPECIFICATION

| MODEL: VM2500            |                        | 12V  | 24V     | 48V     |
|--------------------------|------------------------|--|---------|---------|
| OUTPUT                   | Rated Power            | 2500W  |         |         |
|                          | Maximum Output Power   | 5000W SURGE POWER  |         |         |
|                          | AC Voltage             | 200~240VAC (Standard) or 110~120VAC (Special Order)            |         |         |
|                          | Frequency              | 50Hz±0.1% (Standard) or 60Hz±0.1% (Special Order)              |         |         |
|                          | Waveform               | Modified sine wave output (THD<3%) at rated input voltage      |         |         |
|                          | Socket Types           | UK   |         |         |
|                          | Led Indicator Light    | Inverter and Fault   |         |         |
| INPUT                    | Bat. Voltage           | 12V  | 24V     | 48V     |
|                          | Voltage Range          | 10V-15V  | 20V-30V | 40V-60V |
|                          | DC Current             | 250A   | 125A    | 62.5A   |
|                          | No Load Consumption    | <0.7A  | <0.35A  | <0.18A  |
|                          | Efficiency             | >88%   |         |         |
|                          | Battery Types          | Open & sealed lead acid battery                                |         |         |
| BATTERY INPUT PROTECTION | Fuses                  | 35A*10   | 20A*10  | 10A*10  |
|                          | Low Voltage Alarm      | 10.5V± 0.5V  | 21V±1V  | 42V±2V  |
|                          | Low Voltage Shut down  | 10V± 0.5V  | 20V±1V  | 40V±2V  |
|                          | Over Voltage Shut down | 15V± 0.5V  | 30V±1V  | 60V±2V  |
|                          | Reverse Polarity       | By fuse open   |         |         |
| OUTPUT PROTECTION        | Over Temperature       | Shut Off Output Automatically, Temperature >75°                |         |         |
|                          | Output Short           | Protection type: Shut down o/p voltage, re-power on to recover |         |         |
|                          | Over Load              | Protection type: Shut down o/p voltage, re-power on to recover |         |         |
| ENVIRONMENT              | Working Temp.          | -10°C ~ +50°C  |         |         |
|                          | Working Humidity       | 20% ~ 90% RH Non-Condensing                                    |         |         |
|                          | Storage Temp.          | -30°C~ +70°C   |         |         |
| SAFETY                   | CE EMC                 | Compliance to EN61000-3-2,3; EN55022; EN55024                  |         |         |
|                          | CE LVD                 | Compliance to EN62040-1:2008                                   |         |         |
|                          | RoHS                   | Compliance to 2011/65/EU                                       |         |         |
| PACKING                  | Inner Box              | 405*286*168 mm, 8kg  |         |         |
|                          | Carton                 | 430*305*355 mm, 17kg   |         |         |
|                          | Package                | 2pcs /Carton   |         |         |
| ACCESSORIES              | Battery Cable          | 2x Positive & 2x Negative Battery Cables                       |         |         |
|                          | User Manual            | 1x English Manual  |         |         |
|                          | Fuse                   | 10x Replaceable fuses  |         |         |

*Guaranteed Performance*

1 Years Manufacturers Warranty

Sunshine Solar Limited  
Unit 29, Ashwellthorpe Industrial Estate Ashwellthorpe  
Norwich Norfolk NR16 1ER

Tel: +44 (0)1508 488188 - Fax: +44 (0)1508 488288

www.sunshinesolar.co.uk - sales@sunshinesolar.co.uk