



# RCT-AXPERT VM2 2.5K24V

- Pure sine wave solar inverter.
- Output power factor 1.
- High PV input voltage range.
- Battery independent design.
- Built-in 80A MPPT solar charger.
- Battery equalization function to optimize battery performance and extend lifecycle.
- Built-in anti-dust kit for harsh environment.

RATED POWER

**2500 VA / 2500 W**



INPUT

**VOLTAGE:**  
230 VAC

**SELECTED VOLTAGE RANGE:**  
170 - 280 VAC (For Personal Computers)  
90 - 280 VAC (For Home Appliances)

**FREQUENCY RANGE:**  
50 Hz / 60 Hz (Auto sensing)

OUTPUT

**AC VOLTAGE REGULATION** (Batt. mode):  
230 VAC  $\pm$  5%

**SURGE POWER:**  
5000 VA

**EFFICIENCY (PEAK):**  
93%

**TRANSFER TIME:**  
10ms (For Personal Computers)  
20ms (For Home Appliances)

**WAVEFORM:**  
Pure sine wave

BATTERY

**BATTERY VOLTAGE:**  
24 VDC

**FLOATING CHARGE VOLTAGE:**  
27 VDC

**OVERCHARGE PROTECTION:**  
32 VDC



**SOLAR CHARGER & AC CHARGER**

**MAXIMUM PV ARRAY OPEN CIRCUIT VOLTAGE:**  
450 VDC

**MAXIMUM PV ARRAY POWER:**  
3000 W

**MPP RANGE @ OPERATING VOLTAGE:**  
60 - 400 VDC

**MAXIMUM SOLAR CHARGE CURRENT:**  
80 A

**MAXIMUM AC CHARGE CURRENT:**  
80 A

**MAXIMUM CHARGE CURRENT:**  
80 A

**ENVIRONMENT**

**COMMUNICATION INTERFACE:**  
RS232

**HUMIDITY:**  
5 % to 95 % Relative Humidity (Non-condensing)

**OPERATING TEMPERATURE:**  
-10°C to 50°C

**STORAGE TEMPERATURE:**  
-15°C to 60°C

Please Note: Product specifications are subject to change without further notice.

**PRODUCT DIMENSIONS & WEIGHT: 90 x 288 x 357 mm & 6.5 (kgs)**

**RCT**

[WWW.RCTZONE.CO.ZA](http://WWW.RCTZONE.CO.ZA)