



## RODIMUS SERIES HYBRID SOLAR INVERTER

RZE6K#48VH

- ▶ Detachable LCD control module with various communications
- ▶ Maximum PV input current 27A
- ▶ Dual output for smart load management
- ▶ Built-in WiFi for mobile monitoring (App is available)
- ▶ Supports USB On-the-Go function
- ▶ Reserved communication port (RS485, CAN-BUS or RS232) for BMS
- ▶ Battery independent design
- ▶ Battery equalization extends lifecycle
- ▶ User-friendly LCD operation
- ▶ Replaceable fan design for ease of maintenance



| MODEL                                 | RZE6K#48VH                                                               |
|---------------------------------------|--------------------------------------------------------------------------|
| CAPACITY                              | 6000VA/6000W                                                             |
| INPUT                                 |                                                                          |
| Voltage                               | 230 VAC                                                                  |
| Selectable Voltage Range              | 170-280 VAC (For Personal Computers)<br>90-280 VAC (For Home Appliances) |
| Frequency Range                       | 50 Hz/60 Hz (Auto sensing)                                               |
| OUTPUT                                |                                                                          |
| AC Voltage Regulation (Batt. Mode)    | 230VAC $\pm$ 10%                                                         |
| Surge Power                           | 12000VA                                                                  |
| Efficiency (Peak)                     | 90~93%                                                                   |
| Transfer Time                         | 10 ms (For Personal Computers)<br>20 ms (For Home Appliances)            |
| Waveform                              | Pure sine wave                                                           |
| BATTERY                               |                                                                          |
| Battery Voltage                       | 48 VDC                                                                   |
| Floating Charge Voltage               | 54 VDC                                                                   |
| Overcharge Protection                 | 63 VDC                                                                   |
| SOLAR CHARGER & AC CHARGER            |                                                                          |
| Solar Charger type                    | MPPT                                                                     |
| Maximum PV Array Power                | 6000W                                                                    |
| MPP Range @ Operating Voltage         | 60 ~ 450 VDC                                                             |
| Maximum PV Array Open Circuit Voltage | 500 VDC                                                                  |
| Maximum PV Input Current              | 27A                                                                      |
| Maximum Solar Charge Current          | 120A                                                                     |
| Maximum AC Charge Current             | 100A                                                                     |
| Maximum Charge Current                | 120A                                                                     |
| PHYSICAL                              |                                                                          |
| Dimension, D x W x H (mm)             | 115 x 300 x 435                                                          |
| Net Weight (kgs)                      | 10                                                                       |
| Communication Interface               | USB/RS232/RS485/WiFi/Dry-contact                                         |
| OPERATING ENVIRONMENT                 |                                                                          |
| Humidity                              | 5% to 95% Relative Humidity (Non-condensing)                             |
| Operating Temperature                 | -10°C to 50°C                                                            |
| Storage Temperature                   | -15°C to 60°C                                                            |

■ Products specifications described herein are subject to change without prior notification.