

## Hybrid VT II

- Pure sine wave output
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Monitoring software for real-time status display and control



## Full Specifications

| MODEL                                      | Hybrid VT II 6KM-48                         | Hybrid VT II 9KM-48 |
|--------------------------------------------|---------------------------------------------|---------------------|
| PHASE                                      | 3-phase in / 3-phase out                    |                     |
| Max. PV Array Power                        | 9000 W                                      | 12000 W             |
| Rated Output Power                         | 6000 W                                      | 9000 W              |
| Maximum PV Array Open Circuit Voltage      | 450 VDC                                     | 450 VDC             |
| MPPT Range @ Operating Voltage             | 120 VDC ~ 430 VDC                           | 120 VDC ~ 430 VDC   |
| MPP Tracker Number                         | 3                                           | 3                   |
| GRID-TIE OPERATION                         |                                             |                     |
| GRID OUTPUT (AC)                           |                                             |                     |
| Nominal Output Voltage                     | 220/230/240 VAC (P-N) 380/400/415 VAC (P-P) |                     |
| Output Voltage Range                       | 195 - 253 VAC per phase                     |                     |
| Nominal Output Current                     | 8.7 A per phase                             | 13 A per phase      |
| Power Factor                               | > 0.99                                      |                     |
| EFFICIENCY                                 |                                             |                     |
| Maximum Conversion Efficiency (DC/AC)      | 95%                                         | 95%                 |
| OFF-GRID, HYBRID OPERATION                 |                                             |                     |
| GRID INPUT                                 |                                             |                     |
| AC Start-up Voltage / Auto Restart Voltage | 120 - 140 VAC / 180 VAC per phase           |                     |
| Acceptable Input Voltage Range             | 170 - 280 VAC per phase                     |                     |
| Frequency Range                            | 50 Hz/60 Hz (Auto sensing)                  |                     |
| Maximum AC Input Current                   | 20 A per phase                              | 30 A per phase      |
| BATTERY MODE OUTPUT (AC)                   |                                             |                     |
| Nominal Output Voltage                     | 220/230/240 VAC (P-N) 380/400/415 VAC (P-P) |                     |
| Output Waveform                            | Pure sine wave                              |                     |
| Efficiency (DC to AC)                      | 90%                                         |                     |
| BATTERY & CHARGER                          |                                             |                     |
| Nominal DC Voltage                         | 48 VDC                                      |                     |
| Maximum Solar Charge Current               | 180 A                                       | 180 A               |
| Maximum AC Charge Current                  | 180 A                                       | 180 A               |
| Maximum Charge Current                     | 180 A                                       | 180 A               |
| GENERAL                                    |                                             |                     |
| PHYSICAL                                   |                                             |                     |
| Dimension, D x W x H (mm)                  | 588 x 260 x 655                             |                     |
| Net Weight (kgs)                           | 36                                          | 37.5                |
| INTERFACE                                  |                                             |                     |
| Communication Ports                        | USB, RS-232 and dry contact                 |                     |
| ENVIRONMENT                                |                                             |                     |
| Humidity                                   | 0 ~ 90% RH (Non-condensing)                 |                     |
| Operating Temperature                      | 0 to 50°C                                   |                     |

Product specifications are subject to change without further notice.