Energrid VT II Series (3P/3P)

- 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
- 3 MPPT Inputs up to 180A solar charging current at 48Vdc battery voltage

Specifications

MODEL	Energrid VT II 6KM-48	Energrid VT II 9KM-48	Energrid VT II 15KM-48
PHASE	3-phase in / 3-phase out		
Max. PV Array Power	9000W	12000W	15000W
Rated Output Power	6000W	9000W	15000W
Maximum PV Array Open Circuit Voltage	450 VDC	450 VDC	450 VDC
MPPT Range @ Operating Voltage	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC
MPP Tracker Number	3	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	195.5 - 253 VAC per phase @ India Regulation 184 - 264.5 VAC per phase @ German Regulation		
Nominal Output Current	8.7 A per phase	13 A per phase	21.7 A per phase
Power Factor	> 0.99		
EFFICIENCY			
Maximum Conversion Efficiency (DC/AC)	95%	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	90 - 280 VAC or 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	30 A per phase
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	220/230/240 VAC per phase		
Output Waveform	Pure sine wave		
Efficiency (DC to AC)	93%		
BATTERY & CHARGER			
Nominal DC Voltage	48 VDC		
Maximum Solar Charge Current	180 A		
Maximum AC Charge Current	180 A		
Maximum Charge Current	180 A		
GENERAL			
PHYSICAL			
Dimension, D x W x H (mm)	588 x 260 x 655		
Net Weight (kgs)	36	38	40
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.

Ver1.0_21.2.2023

Authorised Distributor/ Reseller:

Compatible with: Windows Mac OS Linux