

IGrid SV LV 3KVA Split Phase Hybrid Solar Inverter



- Pure sine wave Inverter
- 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
- Parallel-able for 3KW/4KW/5KW models

On-Grid Inverter

110V-120V Grid Tie Solar Inverter With Energy Storage

MODEL	IGrid SV LV-3K-24
Max. PV Array Power	2000W
Maximum PV Array Open Circuit Voltage	145 VDC
MPPT Range @ Operating Voltage	30 VDC ~ 115 VDC
Number of MPP Tracker	1
GRID-TIE OPERATION	
GRID OUTPUT (AC)	
Nominal Output Voltage	110/120 VAC
Rated Output Power	2400W
Output Voltage Range	88~127 Vac VAC*
Nominal Output Current	27 A
Power Factor	>0.99
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	90%
OFF-GRID, HYBRID OPERATION	
GRID INPUT	
AC Start-up Voltage / Auto Restart Voltage	60 - 70 VAC / 90 VAC
Acceptable Input Voltage Range	95-140 VAC
Maximum AC Input Current	40A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	110/120 VAC
Rated Output Power	2400W / 3000VA
Output Waveform	Pure Sine Wave
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	24 VDC
Maximum Charging Current (from Grid)	60A
Maximum Charging Current (from PV)	80A
Maximum Charging Current	140A
GENERAL	
PHYSICAL	
Dimension, D X W X H (mm)	120x295x505
Net Weight (kgs)	11.5
INTERFACE	
Parallel-able	Yes. Single phase, Split phase
External Safety Box (Optional)	Yes
Communication	USB/Dry-Contact
ENVIRONMENT	
Humidity	0 ~ 90% RH (No condensing)
Operating Temperature	0 to 50° C

*These figures may vary depending on different AC voltage and country requirements.

