

InfiniSolar On-grid Inverter with Energy Storage



- 10KW three phase on-grid inverter with energy storage
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable battery charging current suits different types of batteries
- Programmable multiple operations modes: Grid tie, Off grid, and grid-tie with backup
- Built-in Timer for various mode of on/off operation
- Multiple communication for USB, RS-232, Modbus and SNMP
- Monitoring software for real time status display and control

InfiniSolar Three Phase On-grid Inverter with Energy Storage Selection Guide

| MODEL | InfiniSolar 10KW |
|--|---|
| PHASE | 3-phase in / 3-phase out |
| RATED OUTPUT POWER | 10000 W |
| GRID-TIE OPERATION | |
| PV INPUT (DC) | |
| Maximum PV Input Power | 14850W |
| Nominal DC Voltage / Maximum DC Voltage | 720 VDC / 900 VDC |
| Start-up Voltage / Initial Feeding Voltage | 320 VDC / 350 VDC |
| MPP Voltage Range | 400 VDC ~ 800 VDC |
| Number of MPP Trackers / Maximum Input Current | 2 / 2 x 18.6A |
| GRID OUTPUT (AC) | |
| Nominal Output Voltage | 3/N/PE, 230VAC/400VAC* |
| Output Voltage Range | 184 - 264.5 VAC* |
| Nominal Output Current | 14.5 A* |
| Power Factor | > 0.99 |
| EFFICIENCY | |
| Maximum Conversion Efficiency (DC/AC) | 96% |
| European Efficiency@ Vnominal | 95% |
| OFF-GRID OPERATION | |
| AC INPUT | |
| AC Start-up Voltage/Auto Restart Voltage | 120 - 140 VAC / 185 VAC* |
| Acceptable Input Voltage Range | 175 - 280 VAC* |
| Maximum AC Input Current | 28 A |
| PV INPUT (DC) | |
| Maximum DC Voltage | 900 VDC |
| MPP Voltage Range | 400 VDC ~ 800 VDC |
| Number of MPP Trackers / Maximum Input Current | 2 / 2 x 18.6A |
| BATTERY MODE OUTPUT (AC) | |
| Nominal Output Voltage | 230 VAC* |
| Output Waveform | Pure Sinewave |
| Efficiency (DC to AC) | 92% |
| HYBRID OPERATION | |
| PV INPUT (DC) | |
| Nominal DC Voltage / Maximum DC Voltage | 720 VDC / 900 VDC |
| Start-up Voltage / Initial Feeding Voltage | 320 VDC / 350 VDC |
| MPP Voltage Range | 400 VDC ~ 800 VDC |
| Number of MPP Trackers / Maximum Input Current | 2 / 2 x 18.6A |
| GRID OUTPUT (AC) | |
| Nominal Output Voltage | 230 VAC* |
| Output Voltage Range | 184 - 264.5 VAC* |
| Nominal Output Current | 14.5 A* |
| AC INPUT | |
| AC Start-up Voltage / Auto Restart Voltage | 120 - 140 VAC / 198 VAC |
| Acceptable Input Voltage Range | 184 - 264.5 VAC* |
| Maximum AC Input Current | 28A* |
| BATTERY MODE OUTPUT (AC) | |
| Nominal Output Voltage | 3/N/PE, 230VAC/400VAC* |
| Efficiency (DC to AC) | 91% |
| BATTERY & CHARGER | |
| Nominal DC Voltage | 48 VDC |
| Maximum Charging Current | 80A |
| GENERAL | |
| PHYSICAL | |
| Dimension, D X W X H (mm) | 155 x 438 x 600 |
| Net Weight (kgs) | 45.5 |
| INTERFACE | |
| Communication Port | RS-232/USB |
| Intelligent Slot | Optional SNMP, Modbus, and AS-400 cards available |
| ENVIRONMENT | |
| Humidity | 0 ~ 90% RH (No condensing) |
| Operating Temperature | -10 to 55°C |
| Altitude | 0 ~ 1000 m** |

*These figures are based on VDE-4105 standard. All figures may vary depending on different AC voltage and country requirements.

** Power derating 1% every 100 m when altitude is over 1000m

Product specifications are subject to change without further notice.