# InfiniSolar V5



- Increased PV power to 8000W
- Built-in 2 MPP trackers
- Dual outputs for smart load management
- Output power 7000W with PV and Battery
- 4.3" colored touch screen with user-friendly HMI operation
- Built-in WiFi with APP for remote monitoring
- 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
- Reserved communication port for BMS
- Parallel operation up to 9 units

## InfiniSolar V5 Hybrid Inverter Specification

| MODEL | InfiniSolar V5 6.2KW |
|---|---|
| **PHASE** | 1-phase in / 1-phase out |
| **MAXIMUM PV INPUT POWER** | 8000W |
| **RATED OUTPUT POWER** | 7000W with PV & battery ; 6200W with battery only |
| **GRID-TIE OPERATION** | |
| **PV INPUT (DC)** | |
| Nominal DC Voltage / Maximum DC Voltage | 360 VDC / 500 VDC |
| Start-up Voltage / Initial Feeding Voltage | 120VDC / 150 VDC |
| MPP Voltage Range | 120 VDC ~ 430 VDC |
| Number of MPP Trackers / Maximum Input Current | 2 / 18 A+18A |
| **GRID OUTPUT (AC)** | |
| Nominal Output Voltage | 220/230/240 VAC |
| Output Voltage Range | 184 - 264.5 VAC or 195.5 - 253 VAC (Selectable) |
| Nominal Output Current | 30.44A |
| Power Factor | > 0.99 |
| **EFFICIENCY** | |
| Maximum Conversion Efficiency (DC/AC) | 96% |
| **OFF-GRID OPERATION** | |
| **AC INPUT** | |
| AC Start-up Voltage / Auto Restart Voltage | 120 - 140 VAC / 180 VAC |
| Acceptable Input Voltage Range | 90 - 280 VAC or 170 - 280 VAC |
| Maximum AC Input Current | 40 A |
| **PV INPUT (DC)** | |
| Maximum DC Voltage | 500 VDC |
| MPP Voltage Range | 120 VDC ~ 430 VDC |
| Number of MPP Trackers / Maximum Input Current | 2 / 18 A+18A |
| **BATTERY MODE OUTPUT (AC)** | |
| Nominal Output Voltage | 220/230/240 VAC |
| Output Waveform | Pure sinewave |
| Efficiency (DC to AC) | 93% |
| **HYBRID OPERATION** | |
| **PV INPUT (DC)** | |
| Nominal DC Voltage / Maximum DC Voltage | 360 VDC / 500 VDC |
| Start-up Voltage / Initial Feeding Voltage | 120VDC / 150 VDC |
| MPP Voltage Range | 120 VDC ~ 430 VDC |
| Number of MPP Trackers / Maximum Input Current | 2 / 18 A+18A |
| **GRID OUTPUT (AC)** | |
| Nominal Output Voltage | 220/230/240 VAC |
| Output Voltage Range | 184 - 264.5 VAC or 195.5 - 253 VAC (Selectable) |
| Nominal Output Current | 30.44A |
| **AC INPUT** | |
| AC Start-up Voltage / Auto Restart Voltage | 120 - 140 VAC / 180 VAC |
| Acceptable Input Voltage Range | 90 - 280 VAC or 170 - 280 VAC |
| Maximum AC Input Current | 40A |
| **BATTERY MODE OUTPUT (AC)** | |
| Nominal Output Voltage | 220/230/240 VAC |
| Nominal Output Current | 27A |
| Efficiency (DC to AC) | 93% |
| **BATTERY & CHARGER** | |
| Nominal DC Voltage | 48 VDC |
| Maximum Solar Charging Current | 120A |
| Maximum AC Charging Current | 120A |
| Maximum Charging Current | 120A |
| **GENERAL** | |
| **PHYSICAL** | |
| Dimension, D x W x H (mm) | 138.4 x 295 x 491.8 |
| Net Weight (kgs) | 14 |
| **INTERFACE** | |
| Parallel Function | Yes, 9 units |
| Communication Port | USB/RS232/RS485/Wifi/Dry-contact |
| **ENVIRONMENT** | |
| Humidity | 0 ~ 90% RH (Non-condensing) |
| Operating Temperature | -10 to 50°C |

Product specifications are subject to change without further notice.