

INFINI V IV

On-Grid Inverter with Energy Storage

- Customizable status LED ring with RGB lights
- Touchable button with 4.3" colored LCD
- Supports USB On-the-Go function
- Data log events stored in the 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
- Built-in Wi-Fi for mobile monitoring (App is available)
- Reserved communication port for BMS
- Parallel operation up to 9 units



| MODEL | InfiniSolar V IV 5.6KW |
|--|---|
| PHASE | 1-phase in / 1-phase out |
| MAXIMUM PV INPUT POWER | 6000W |
| RATED OUTPUT POWER | 5600W |
| MAXIMUM CHARGING POWER | 6000W |
| GRID-TIE OPERATION | |
| PV INPUT (DC) | |
| Nominal DC Voltage / Maximum DC Voltage | 360 VDC / 450 VDC |
| Start-up Voltage / Initial Feeding Voltage | 110VDC / 120 VDC |
| MPP Voltage Range | 120 VDC ~ 430 VDC |
| Number of MPP Trackers / Maximum Input Current | 1 / 27 A |
| 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 | 24.3A |
| Power Factor | |
| 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 | 450 VDC |
| MPP Voltage Range | 120 VDC ~ 430 VDC |
| Number of MPP Trackers / Maximum Input Current | 1 / 27 A |
| 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 / 450 VDC |
| Start-up Voltage / Initial Feeding Voltage | 110VDC / 120 VDC |
| MPP Voltage Range | 120 VDC ~ 430 VDC |
| Number of MPP Trackers / Maximum Input Current | 1 / 27 A |
| 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 | 24.3A |
| 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 |
| 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) | 140 x 295 x 468 |
| Net Weight (kgs) | 12 |
| INTERACE | |
| 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.