

# InfiniSolar V IV



- 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

## InfiniSolar V IV On-Grid Inverter with Energy Storage Selection Guide

| MODEL  | InfiniSolar V IV 3.6KW                          | InfiniSolar V IV 5.6KW |
|--|---|------------------------|
| <b>PHASE</b>                                   | 1-phase in / 1-phase out                        |                        |
| <b>MAXIMUM PV INPUT POWER</b>                  | 5000W   | 6000W                  |
| <b>RATED OUTPUT POWER</b>                      | 3600W   | 5600W                  |
| <b>MAXIMUM CHARGING POWER</b>                  | 5000W   | 6000W                  |
| <b>GRID-TIE OPERATION</b>                      |   |                        |
| <b>PV INPUT (DC)</b>                           |   |                        |
| Nominal DC Voltage / Maximum DC Voltage        | 360 VDC / 500 VDC                               | 360 VDC / 450 VDC      |
| Start-up Voltage / Initial Feeding Voltage     | 110VDC / 120 VDC                                | 110VDC / 120 VDC       |
| MPP Voltage Range                              | 120 VDC ~ 430 VDC                               | 120 VDC ~ 430 VDC      |
| Number of MPP Trackers / Maximum Input Current | 1 / 18 A  | 1 / 27 A               |
| <b>GRID OUTPUT (AC)</b>                        |   |                        |
| Nominal Output Voltage                         | 220/230/240 VAC                                 |                        |
| Output Voltage Range                           | 184 - 264.5 VAC or 195.5 - 253 VAC (Selectable) |                        |
| Nominal Output Current                         | 15.6A   | 24.3A                  |
| Power Factor                                   | > 0.9   |                        |
| <b>EFFICIENCY</b>                              |   |                        |
| Maximum Conversion Efficiency (DC/AC)          | 96%   | 96%                    |
| <b>OFF-GRID OPERATION</b>                      |   |                        |
| <b>AC INPUT</b>                                |   |                        |
| 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  | 40 A                   |
| <b>PV INPUT (DC)</b>                           |   |                        |
| Maximum DC Voltage                             | 500 VDC   | 450 VDC                |
| MPP Voltage Range                              | 120 VDC ~ 430 VDC                               | 120 VDC ~ 430 VDC      |
| Number of MPP Trackers / Maximum Input Current | 1 / 18 A  | 1 / 27 A               |
| <b>BATTERY MODE OUTPUT (AC)</b>                |   |                        |
| Nominal Output Voltage                         | 220/230/240 VAC                                 |                        |
| Output Waveform                                | Pure sinewave                                   |                        |
| Efficiency (DC to AC)                          | 93%   | 93%                    |
| <b>HYBRID OPERATION</b>                        |   |                        |
| <b>PV INPUT (DC)</b>                           |   |                        |
| Nominal DC Voltage / Maximum DC Voltage        | 360 VDC / 500 VDC                               | 360 VDC / 450 VDC      |
| Start-up Voltage / Initial Feeding Voltage     | 110VDC / 120 VDC                                | 110VDC / 120 VDC       |
| MPP Voltage Range                              | 120 VDC ~ 430 VDC                               | 120 VDC ~ 430 VDC      |
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| Nominal Output Voltage                         | 220/230/240 VAC                                 |                        |
| Efficiency (DC to AC)                          | 93%   | 93%                    |
| <b>BATTERY &amp; CHARGER</b>                   |   |                        |
| Nominal DC Voltage                             | 48 VDC  | 48 VDC                 |
| Maximum Solar Charging Current                 | 100A  | 120A                   |
| Maximum AC Charging Current                    | 100A  | 120A                   |
| Maximum Charging Current                       | 100A  | 120A                   |
| <b>GENERAL</b>                                 |   |                        |
| <b>PHYSICAL</b>                                |   |                        |
| Dimension, D x W x H (mm)                      | 140 x 295 x 468                                 |                        |
| Net Weight (kgs)                               | 11  | 12                     |
| <b>INTERACE</b>                                |   |                        |
| Parallel Function                              | Yes, 9 units                                    |                        |
| Communication Port                             | USB/RS232/RS485/Wifi/Dry-contact                |                        |
| <b>ENVIRONMENT</b>                             |   |                        |
| Humidity                                       | 0 ~ 90% RH (Non-condensing)                     |                        |
| Operating Temperature                          | -10 to 50°C                                     |                        |

Product specifications are subject to change without further notice.