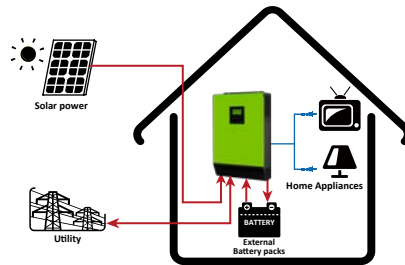


# InfiniSolar V



- Pure sine wave output
- 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 operation up to 6 units only for 3K/4K/5K models



## InfiniSolar V On-Grid Inverter With Energy Storage Selection Guide

| MODEL                                 | InfiniSolar V-1K-12                             | InfiniSolar V-2K-24 | InfiniSolar V-3K-48 | InfiniSolar V-4K-48 | InfiniSolar V-5K-48 |
|---------------------------------------|---|---------------------|---------------------|---------------------|---------------------|
| Max. PV Array Power                   | 1000W   | 2000W               | 4000W               | 4000W               | 6000W               |
| Rated Output Power                    | 1000W   | 2000W               | 3000W               | 4000W               | 5000W               |
| Maximum PV Array Open Circuit Voltage | 145 VDC   | 145 VDC             | 145 VDC             | 145 VDC             | 145 VDC             |
| MPPT Range @ Operating Voltage        | 15 VDC ~ 115 VDC                                | 30 VDC ~ 115 VDC    | 60 VDC ~ 115 VDC    | 60 VDC ~ 115 VDC    | 60 VDC ~ 115 VDC    |
| MPP Tracker Number                    | 1   | 1                   | 1                   | 1                   | 2                   |
| <b>GRID-TIE OPERATION</b>             |   |                     |                     |                     |                     |
| <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                | 4.3 A   | 8.7 A               | 13 A                | 17.4 A              | 21.7 A              |
| Power Factor                          | > 0.99  |                     |                     |                     |                     |
| <b>EFFICIENCY</b>                     |   |                     |                     |                     |                     |
| Maximum Conversion Efficiency (DC/AC) | 90%   |                     |                     |                     |                     |
| <b>OFF-GRID, HYBRID OPERATION</b>     |   |                     |                     |                     |                     |
| <b>GRID INPUT</b>                     |   |                     |                     |                     |                     |
| Acceptable Input Voltage Range        | 90 - 280 VAC or 170 - 280 VAC                   |                     |                     |                     |                     |
| Frequency Range                       | 50 Hz/60 Hz (Auto sensing)                      |                     |                     |                     |                     |
| Maximum AC Input Current              | 30A   |                     | 40A                 |                     |                     |
| <b>BATTERY MODE OUTPUT (AC)</b>       |   |                     |                     |                     |                     |
| Nominal Output Voltage                | 220/230/240 VAC                                 |                     |                     |                     |                     |
| Output Waveform                       | Pure sine wave                                  |                     |                     |                     |                     |
| Efficiency (DC to AC)                 | 93%   |                     |                     |                     |                     |
| <b>BATTERY &amp; CHARGER</b>          |   |                     |                     |                     |                     |
| Nominal DC Voltage                    | 12 VDC  | 24 VDC              | 48 VDC              | 48 VDC              | 48 VDC              |
| Maximum Solar Charge Current          | 80 A  | 80 A                | 80 A                | 80 A                | 120 A               |
| Maximum AC Charge Current             | 60 A  |                     |                     |                     |                     |
| Maximum Charge Current                | 140 A   | 140 A               | 140 A               | 140 A               | 180 A               |
| <b>GENERAL</b>                        |   |                     |                     |                     |                     |
| <b>PHYSICAL</b>                       |   |                     |                     |                     |                     |
| Dimension, D x W x H (mm)             | 100 x 300 x 440                                 | 100 x 300 x 440     | 120 x 295 x 468     | 120 x 295 x 468     | 190 x 295 x 483     |
| Net Weight (kgs)                      | 8   | 8                   | 11                  | 11                  | 16                  |
| <b>INTERFACE</b>                      |   |                     |                     |                     |                     |
| Parallel Function                     | N/A   | N/A                 | Yes                 | Yes                 | Yes                 |
| External Safety Box (Optional)        | Yes   |                     |                     |                     |                     |
| Communication Ports                   | USB or RS232/Dry-Contact                        |                     |                     |                     |                     |
| <b>ENVIRONMENT</b>                    |   |                     |                     |                     |                     |
| Humidity                              | 0 ~ 90% RH (Non-condensing)                     |                     |                     |                     |                     |
| Operating Temperature                 | 0 to 50°C                                       |                     |                     |                     |                     |

Product specifications are subject to change without further notice.