



- IP66 certified enclosure
- Built-in 2 MPP trackers
- Maximum PV input current increases to 21A/27A
- Dual output for smart load control
- Two independent AC power sources connected and switched automatically
- Programmable supply priority for PV, Battery or Grid
- Built-in communication port for BMS (RS485)
- User-adjustable charging current and voltage
- Parallel operation up to 9 units
- Support storing energy from diesel generator



## Infini V4 WP Elite Hybrid Inverter Selection Guide

| MODEL                                          | Infini V 4 WP 6.6KW Elite                                                                     | Infini V 4 WP 10.6KW Elite |
|------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------|
| PHASE                                          | 1-phase in / 1-phase out                                                                      |                            |
| MAXIMUM PV INPUT POWER                         | 12000W                                                                                        | 18000W                     |
| RATED OUTPUT POWER                             | 6600VA/6600W                                                                                  | 10600VA/10600W             |
| MAXIMUM CHARGING POWER                         | 6600W                                                                                         | 10600W                     |
| GRID OUTPUT (AC)                               |                                                                                               |                            |
| Nominal Output Voltage                         | 220/230/240 VAC                                                                               |                            |
| Output Voltage Range                           | 184 - 264.5 VAC or 195.5 - 253 VAC or 182 - 260 VAC (Selectable)                              |                            |
| Nominal Output Current                         | 28.7A                                                                                         | 46A                        |
| Power Factor                                   |                                                                                               |                            |
| Maximum Conversion Efficiency (DC/AC)          | 95%                                                                                           | 96%                        |
| OFF-GRID OPERATION                             |                                                                                               |                            |
| AC INPUT                                       |                                                                                               |                            |
| AC Start-up Voltage / Auto Restart Voltage     | 60 - 80 VAC / 180 VAC                                                                         |                            |
| Acceptable Input Voltage Range                 | 90 - 280 VAC or 170 - 280 VAC                                                                 |                            |
| Frequency Range                                | 50 Hz/60 Hz (Auto sensing)                                                                    |                            |
| Transfer Time                                  | < 10 ms (for UPS)<br>< 20 ms (for home appliances)<br>< 50 ms (for parallel system operation) |                            |
| Maximum AC Input Current                       | 40 A                                                                                          | 60 A                       |
| PV INPUT (DC)                                  |                                                                                               |                            |
| Maximum DC Voltage                             | 500 VDC                                                                                       |                            |
| MPP Voltage Range                              | 120 VDC ~ 450 VDC                                                                             |                            |
| Number of MPP Trackers / Maximum Input Current | 2 / 21A                                                                                       | 2 / 27A                    |
| BATTERY MODE OUTPUT (AC)                       |                                                                                               |                            |
| Nominal Output Voltage                         | 220/230/240 VAC                                                                               |                            |
| Output Waveform                                | Pure sine wave                                                                                |                            |
| Efficiency (DC to AC)                          | 90% - 93%                                                                                     |                            |
| AC INPUT                                       |                                                                                               |                            |
| AC Start-up Voltage / Auto Restart Voltage     | 60 - 80 VAC / 180 VAC                                                                         |                            |
| Acceptable Input Voltage Range                 | 90 - 280 VAC or 170 - 280 VAC                                                                 |                            |
| Maximum AC Input Current                       | 40A                                                                                           | 60A                        |
| BATTERY MODE OUTPUT (AC)                       |                                                                                               |                            |
| Nominal Output Voltage                         | 220/230/240 VAC                                                                               |                            |
| Output Waveform                                | Pure sine wave                                                                                |                            |
| Efficiency (DC to AC)                          | 93%                                                                                           |                            |
| BATTERY & CHARGER                              |                                                                                               |                            |
| Battery Type                                   | Lead-acid or Lithium-ion                                                                      |                            |
| Battery Voltage Range (V)                      | 40-60VDC                                                                                      |                            |
| Nominal DC Voltage                             | 48 VDC                                                                                        |                            |
| Maximum Solar Charging Current                 | 135A                                                                                          | 210A                       |
| Maximum AC Charging Current                    | 135A                                                                                          | 210A                       |
| Maximum Charging Current                       | 135A                                                                                          | 210A                       |
| PHYSICAL                                       |                                                                                               |                            |
| Dimension, D x W x H (mm)                      | 192 x 418 x 633                                                                               |                            |
| Net Weight (kgs)                               | 29                                                                                            | 33                         |
| INTERFACE                                      |                                                                                               |                            |
| Parallel Function                              | Yes, 9 units                                                                                  |                            |
| Communication Port                             | RS-232/RS485, WIFI                                                                            |                            |
| ENVIRONMENT                                    |                                                                                               |                            |
| Humidity                                       | 0 ~ 100% RH (No condensing)                                                                   |                            |
| Operating Temperature                          | -10°C to 50°C                                                                                 |                            |
| PROTECTION & CERTIFICATE                       |                                                                                               |                            |
| Safety/EMC Standard                            | IEC/EN 62109-1 .IEC/EN 62109-2.IEC/EN 61000-6-2/4.IEC 61683.IEC62116.IEC61727                 |                            |

Product specifications are subject to change without further notice.