Solar

1 YEAR WARRANTY

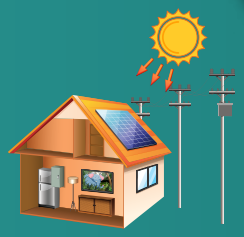
2022

# INFINITY INVERTER 3 kW

## ON-GRID INVERTER WITH ENERGY STORAGE

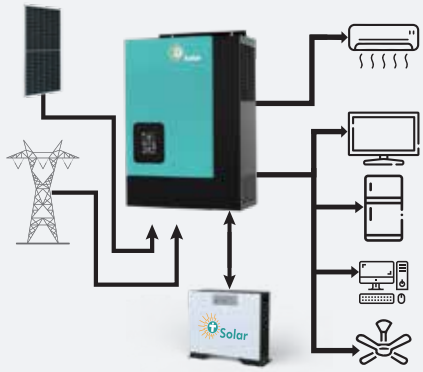
**WORLD'S 1ST GRID TIE & HYBRID INVERTER**
**WORKS BATTERY LESS & LOAD MANAGEMENT**

- Data Logging & Storage Web Portal
- Inbuilt WiFi 4G With Mobile App
- Compatible With Lithium Batteries
  Netmetering Standards Complaince




INFINITY INVERTERS

- Pure sine wave output
- Self-Consumption & Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current & Voltage
- Programmable Multiple operation modes: Grid-Tie, Off Grid & Grid-Tie with backup
- Monitoring software for real-time status display & control
- Parallel operation up to **9** units
- Battery Less Operation




**TESLA LIVE APP**

Download on the App Store

GET IT ON Google Play

GENUINE PRODUCTS

**Conformance: IEC 62109-1,2**

81-G, St.No 6,
I-10/3, Islamabad

Tesla-PV.com

0321-8375278

# INFINITY 3kW

## ON-GRID INVERTER WITH ENERGY STORAGE SPECIFICATION

Li compatible 4G

### INFINITY 3kW HYBRID ON & OFF-GRID INVERTER WITH ENERGY STORAGE OPTION & INTELLIGENT MANAGEMENT

| | |
|---|---|
| **MODEL** | **Infinity 3kW 1 ph HLE** |
| **PHASE** | **1-Phase in / 1-Phase out** |
| Maximum PV Input Power | 4,500 W |
| Rated Output Power | 3,000 W |
| Maximum Charging Power | 2,880 W |
| Mode | On-Grid / Off- Grid |
| Battery Less Operation | Yes |
| Touch Screen LCD HMI | 2.5” |
| Load Priority AC Output Ports | 1 Hi + 1 Lo |
| **GRID-TIE OPERATION** | |
| **PV INPUT (DC)** | |
| Nominal DC Voltage / Maximum DC Voltage | 360 VDC / 450 VDC |
| Start-up Voltage / Initial Feeding Voltage | 80 VDC |
| MPP Voltage Range | 80 VDC ~ 430 VDC |
| Number of MPP Trackers / Maximum Input Current | 1 x 27A |
| **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 | 13 A |
| Power Factor | >0.99 |
| **EFFICIENCY** | |
| Maximum Conversion Efficiency (DC/AC) | 95% |
| **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 |
| Frequency Range | 50 Hz/60 Hz (Auto Sensing) |
| Maximum AC Input Current | 45 A |
| **PV INPUT (DC)** | |
| Maximum DC Voltage | 500 VDC |
| MPP Voltage Range | 120 VDC ~ 430 VDC |
| Number of MPP Trackers / Maximum Input Current | 1 x 18 A |
| **BATTERY MODE OUTPUT (AC)** | |
| Nominal Output Voltage | 220-230-240 VAC |
| Output Waveform | Pure Sine Wave |
| 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 | 80 VDC |
| MPP Voltage Range | 80 VDC ~ 430 VDC |
| Number of MPP Trackers / Maximum Input Current | 1 x 18 A |
| **GRID OUTPUT (AC)** | |
| High & Low Priority Output Ports | Yes |
| Low Port Derated Output (Batteryless Mode) | Yes |
| Nominal Output Voltage | 220-230-240 VAC |
| Output Voltage Range | 184-264.5 VAC or 195.5 - 253 VAC (Selectable) |
| Nominal Output Current | 13 A |
| **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 | 45 A |
| **BATTERY MODE OUTPUT (AC)** | |
| ESS | |
| Nominal Output Voltage | 220-230-240 VAC |
| Output Waveform | Pure Sine Wave |
| Efficiency (DC to AC) | 95% |
| **BATTERY & CHARGER** | |
| Nominal DC Voltage | 24V /48 V |
| Maximum Solar Charging Current | 60 A |
| Maximum AC Charging Current | 60 A |
| Maximum Charging Current | 60 A |
| **GENERAL** | |
| **PHYSICAL** | |
| Dimension D x W x H (mm) | 120 x 295 x 468 |
| Net Weight (kgs) | 11 |
| **INTERFACE** | |
| Parallel Function | Yes, 9 Units |
| Communication Port | USB or RS-422/Dry Contact, WiFi |
| **ENVIRONMENT** | |
| Humidity | 0~90% RH (No Condensing) |
| Operating Temperature | -10°C to 50°C |

Product specifications are subject to change without further notice.