



2022

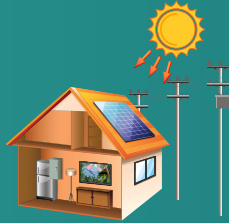
**INFINITY**  
INVERTER

**6** kW

# ON-GRID INVERTER WITH ENERGY STORAGE

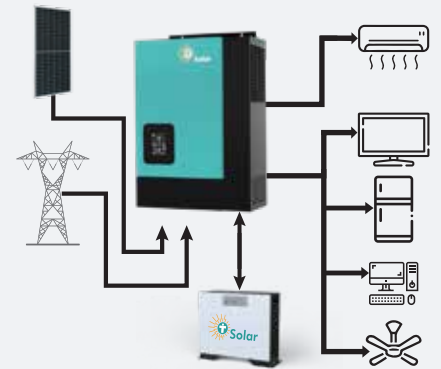
**WORLD'S 1<sup>ST</sup> GRID TIE & HYBRID INVERTER WORKS BATTERY LESS & LOAD MANAGEMENT**

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



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**



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

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Tesla-PV.com

0321-8375278

# INFINITY 6kW

## ON-GRID INVERTER WITH ENERGY STORAGE SPECIFICATION



### INFINITY 6kW HYBRID ON & OFF-GRID INVERTER WITH ENERGY STORAGE OPTION & INTELLIGENT MANAGEMENT

	Infinity 6kW 1 ph HLE
<b>MODEL</b>	<b>1-Phase in / 1-Phase out</b>
<b>PHASE</b>	6,500 W
Maximum PV Input Power	6,000 W
Rated Output Power	6,000 W
Maximum Charging Power	On-Grid / Off- Grid
Mode	Yes
Battery Less Operation	2.5"
Touch Screen LCD HMI	1 Hi + 1 Lo
Load Priority AC Output Ports	
<b>GRID-TIE OPERATION</b>	
<b>PV INPUT (DC)</b>	360 VDC / 500 VDC
Nominal DC Voltage / Maximum DC Voltage	130 VDC / 150 VDC
Start-up Voltage / Initial Feeding Voltage	120 VDC ~ 430 VDC
MPP Voltage Range	1 x 27A
Number of MPP Trackers / Maximum Input Current	
<b>GRID OUTPUT (AC)</b>	220/230/240 VAC
Nominal Output Voltage	184-264.5 VAC or 195.5 - 253 VAC (Selectable)
Output Voltage Range	26 A
Nominal Output Current	>0.99
Power Factor	
<b>EFFICIENCY</b>	95%
Maximum Conversion Efficiency (DC/AC)	
<b>OFF-GRID OPERATION</b>	
<b>AC INPUT</b>	120-140 VAC / 180 VAC
AC Start-up Voltage / Auto Restart Voltage	90-280 VAC or 170-280 VAC
Acceptable Input Voltage Range	50 Hz/60 Hz (Auto Sensing)
Frequency Range	45 A
Maximum AC Input Current	
<b>PV INPUT (DC)</b>	500 VDC
Maximum DC Voltage	120 VDC ~ 430 VDC
MPP Voltage Range	1 x 27 A
Number of MPP Trackers / Maximum Input Current	
<b>BATTERY MODE OUTPUT (AC)</b>	220-230-240 VAC
Nominal Output Voltage	Pure Sine Wave
Output Waveform	93%
Efficiency (DC to AC)	
<b>HYBRID OPERATION</b>	
<b>PV INPUT (DC)</b>	360 VDC / 500 VDC
Nominal DC Voltage / Maximum DC Voltage	130 VDC / 150 VDC
Start-up Voltage / Initial Feeding Voltage	120 VDC ~ 430 VDC
MPP Voltage Range	1 x 27 A
Number of MPP Trackers / Maximum Input Current	
<b>GRID OUTPUT (AC)</b>	Yes
High & Low Priority Output Ports	Yes
Low Port Derated Output (Batteryless Mode)	220-230-240 VAC
Nominal Output Voltage	184-264.5 VAC or 195.5 - 253 VAC (Selectable)
Output Voltage Range	26 A
Nominal Output Current	
<b>AC INPUT</b>	120-140 VAC ~ 180 VAC
AC Start-up Voltage / Auto Restart Voltage	90-280 VAC or 170-280 VAC
Acceptable Input Voltage Range	45 A
Maximum AC Input Current	
<b>BATTERY MODE OUTPUT (AC)</b>	
ESS	220-230-240 VAC
Nominal Output Voltage	Pure Sine Wave
Output Waveform	95%
Efficiency (DC to AC)	
<b>BATTERY &amp; CHARGER</b>	48 V
Nominal DC Voltage	120 A
Maximum Solar Charging Current	120 A
Maximum AC Charging Current	120 A
Maximum Charging Current	
<b>GENERAL</b>	
<b>PHYSICAL</b>	120 x 295 x 468
Dimension D x W x H (mm)	12
Net Weight (kgs)	
<b>INTERFACE</b>	Yes, 9 Units
Parallel Function	USB or RS-422/Dry Contact, WiFi
Communication Port	
<b>ENVIRONMENT</b>	0~90% RH (No Condensing)
Humidity	
Operating Temperature	-10°C to 50°C

Product specifications are subject to change without further notice.



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