iSolar

1 YEAR WARRANTY

2023

8 kW HYBRID INVERTER

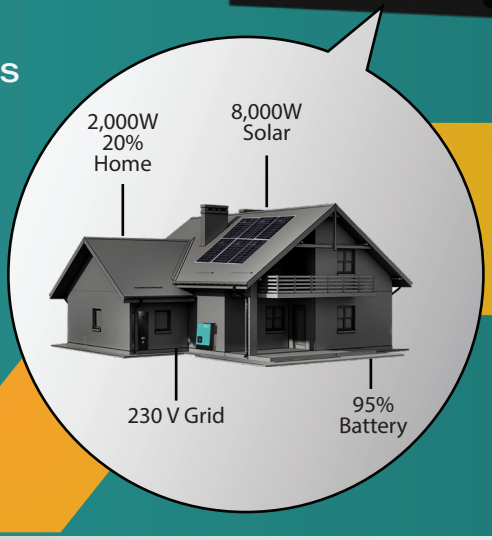
NEW ADDITION IN HLE FAMILY

Next Generation Hybrid Inverter with

ENERGY STORAGE

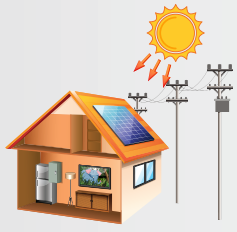
Inbuilt LiPO battery Protocols for major brands
Auto Switching to User mode incase of loss of communication

- Selection of range of Lead Acid Batteries
- Data Logging & Storage Web Portal
- Inbuilt WiFi 4G With Mobile App
- Compatible With Lithium Batteries
- Netmetering Standards Complaince
- Load Priority Management
- 2 MPPT PV inputs



User Friendly HMi

- Reserved communication port for BMS (Rs 485, CAN-BUS or Rs 232)
- Battery independent design
- Selectable input voltage range for home appliances & Personal computers
- Configurable AC/PV output usage timer & prioritization
- Selectable high power charging current
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit, 3 Phase/ 1 Phase
- Parallel operation upto 6 units
- Dual outputs for load priority management



GENUINE PRODUCTS

TESLA LIVE APP

GET IT ON Google Play

Download on the App Store

Conformance: IEC 62109-1,2

INFINITY 8kW, 6kW & 3kW

ON-GRID INVERTER WITH ENERGY STORAGE SPECIFICATION

Li compatible

4G

INFINITY 3kW & 6kW HYBRID ON & OFF-GRID INVERTER WITH ENERGY STORAGE OPTION & INTELLIGENT MANAGEMENT

MODEL	Infinity 8kW 1 ph HLE	Infinity 6kW 1 ph HLE	Infinity 3kW 1 ph HLE
PHASE	**1-Phase in / 1-Phase out**	**1-Phase in / 1-Phase out**	**1-Phase in / 1-Phase out**
Maximum PV Input Power	8,000 W	6,500 W	4,500 W
Rated Output Power	8,000 W	6,000 W	3,000 W
Rated Output Power	8,000 W	6,000 W	3,000 W
Maximum Charging Power		6,000 W	2,880 W
Mode		On-Grid / Off- Grid	
Battery Less Operation		Yes	
Touch Screen LCD HMI	4.5”	2.5”	
Load Priority AC Output Ports		1 Hi + 1 Lo	
PV INPUT (DC)			
Nominal DC Voltage / Maximum DC Voltage	360 VDC/ 500 VDC	360 VDC / 500 VDC	360 VDC / 450 VDC
Start-up Voltage / Initial Feeding Voltage	80V +/- 5VDC	130 VDC / 150 VDC	80 VDC
MPP Voltage Range	90 VDC ~ 450 VDC	120 VDC ~ 430 VDC	80 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	2 x 27A(Max 40A)	1 x 27A	1 x 18A
GRID-TIE OPERATION			
GRID OUTPUT (AC)			
Nominal Output Voltage		220/230/240 VAC	
Output Voltage Range		195.5 - 253 VAC	
Nominal Output Current	34 A	26 A	13 A
Power Factor		>0.99	
EFFICIENCY			
Maximum Conversion Efficiency (DC/AC)		PV>98%	
HYBRID OPERATION			
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	34 A	26 A	13 A
AC INPUT			
AC Start-up Voltage / Auto Restart Voltage	90 VDC / 500 VDC	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	60 A	45 A	
OFF-GRID OPERATION			
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage		220-230-240 VAC	
Output Waveform		Pure Sine Wave	
Efficiency (DC to AC)		93%	
BATTERY MODE OUTPUT (AC)			
ESS			
Nominal Output Voltage		220-230-240 VAC	
Output Waveform		Pure Sine Wave	
Efficiency (DC to AC)		95%	
BATTERY & CHARGER			
Types of Battery Supported:	Lipo with comm,AGM,GEL,User	Lipo without comm,AGM,GEL,User	
Nominal DC Voltage	52,48 V	48 V	24V /48 V
Maximum Solar Charging Current	120 A	120 A	60 A
Maximum AC Charging Current	120 A	120 A	60 A
Maximum Charging Current	120 A	120 A	60 A
Battery Makes Protocol inbuilt:		Tesla, Voltronic, Pylon.....upto 19	
GENERAL			
PHYSICAL			
Dimension D x W x H (mm)	158.4 x 503.6 x 530.8	120 x 295 x 468	
Net Weight (kgs)	20	12	11
INTERFACE			
Parallel Function	Yes, 9 Units	Yes, 9 Units	
Communication Port	USB or RS-422/Dry Contact, WiFi		
ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)	0~90% RH (No Condensing)	
Operating Temperature	-10°C to 50°C		

Product specifications are subject to change without further notice.