



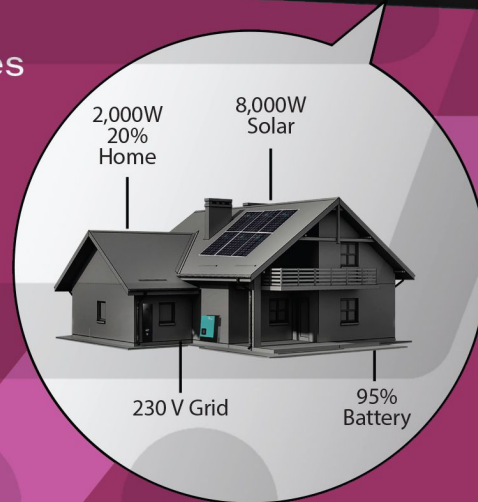
2023

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 Complainece
- 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

Conformance: IEC 62109-1,2



**TESLA LIVE
APP**



INFINITY 8kW, 8kW, 6kW & 3kW

ON-GRID INVERTER WITH ENERGY STORAGE SPECIFICATION



INFINITY 3kW, 6kW, 8kW & 8kW HYBRID ON & OFF-GRID INVERTER WITH ENERGY STORAGE OPTION & INTELLIGENT MANAGEMENT

MODEL	Infinity 8kW 1 ph HLE	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	1-Phase in / 1-Phase out
Maximum PV Input Power	11,000 W	9,000 W	7,000 W	4,500 W
Rated Output Power	8,000 W	8,000 W	6,000 W	3,000 W
Rated Output Power	8,000 W	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"	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 / 500 VDC	360 VDC / 450 VDC
Start-up Voltage / Initial Feeding Voltage	80V +/- 5VDC	80V +/- 5VDC	130 VDC / 150 VDC	80 VDC
MPP Voltage Range	90 VDC ~ 450 VDC	90 VDC ~ 450 VDC	120 VDC ~ 430 VDC	80 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	2 x 27A(Max 40A)	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	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	34 A	26 A	13 A
AC INPUT				
AC Start-up Voltage / Auto Restart Voltage	90 VDC / 500 VDC	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	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	52,48 V	48 V	24V /48 V
Maximum Solar Charging Current	120 A	120 A	120 A	60 A
Maximum AC Charging Current	120 A	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	158.4 x 503.6 x 530.8	120 x 295 x 468	
Net Weight (kgs)				11
INTERFACE				
Parallel Function	Yes, 9 Units	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.