



Single Phase | 2MPPTS 8kW | 10kW | 12kW

HI5 SERIES
Hybrid Solar Inverter

Efficiency

Advanced MPPT with up to 99.9% efficiency
Up to 22 A * 2 PV input current

Reliable

Output high-quality pure sine wave AC power
With IP65 protection degree

Safety

With software and hardware security protection
Multiple safety approvals

User-Friendly

Industrial design with a modern aesthetic look
Easy to install and simple to use

All-in-One

Up to 200 A charging current
Supports Li-ion battery BMS communication

Intelligent

Exclusive Li-ion battery BMS dual activation
Time-slot function to save cost with peak-valley

Hybrid Solar Inverter

MODEL	H15-1P8K-LV	H15-1P10K-LV	H15-1P12K-LV
	Inverter Output		
Rated Output Power	8800w	10000w	12000w
Max. Peak Power	17600VA	20000VA	24000VA
Rated Output Voltage	230 Vac single-phase/three-phase (parallel)		
Load Capacity of Motors	5 HP	6 HP	
Output Frequency	50/60 Hz		
Number of Parallel	1 -6 units		
	AC Output (On-Grid)		
Rated Output Power	8800W	10000W	12000W
Max. Apparent Power	8800VA	10000VA	12000VA
Max. Output Current	40A	43.5A	54.5A
Rated Output Voltage	230 Vac		
THDI	<3%		
Power Factor	0.8 leading to 0.8 lagging		
Frequency	50/60HZ		
	Battery		
Battery Type	Lead-acid /Li-ion/User Defined		
Rated Battery Voltage	48 V		
Battery Voltage Range	40~60 Vdc		
Max Generator Charging Current	60 A		
Max. Grid Charging Current	120 A		
Max. PV Charging Current	200 A		
Max. Hybrid Charging Current	200 A		
	PV input		
No. of MPPT Trackers	2		
Max. PV Array Power	5500 W+5500 W	6600 W+ 6600 W	
Max. input Current	22A+ 22 A		
Max. Voltage of Open Circuit	500 Vdc + 500 Vdc		
MPPT Voltage Range	125 -425 Vdc		
	Mains /Generator Input		
Input Voltage Range	90-280 Vac		
Frequency Range	50/60 HZ		
Bypass Overload Current	63 A		
	Efficiency		
MPPT Tracking Efficiency	99.90%		
Max. Efficiency	97.50%		
European Efficiency	97%		
	General		
Dimensions	670*440*240 mm		
Weight	37 kg		
Protection Degree	IP65		
Operating Temperature Range	-25~60°C,, >45°C derated		
Humidity range	0~100%		
Cooling Method	Forced air cooling		
	Communication		
Embedded Interfaces	RS485/CAN/USB/Dry contact		
External Modules(Optional)	Wi-Fi/GPRS		
	Certification		
Safety	IEC62109-1,IEC62109-2		
EMC	EN61000-6-1,EN61000-6-3,FCC15 class B		
Rohs	es		