



Three Phase | 2MPPTs HI5 SERIES Hybrid Inverter

Efficiency

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

Safety

With software and hardware security protection
Multiple safety approvals

All-in-One

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

Reliable

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

User-Friendly

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

Intelligent

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

Hybrid Solar Inverter

MODEL	HI5-3P8K-LV	HI5-3P10K-LV	HI5-3P12K-LV
Rated Output Power	8000 W	10000 W	12000W
Max.Peak Power	16000 VA	20000 VA	24000 VA
Rated Output Voltage	230/400 Vac,Three-phase		
Load Capacity of Motors	5HP	6HP	
Output Frequency	50/60 Hz		
Number of Parallel	1-6units		
Rated Output Power	8000W	10000W	12000 W
Max.Apparent Power	8000 VA	10000 VA	12000 VA
Rated AC output phase current	11.6 Aac	14.5 Aac	17.4 Aac
Rated Output Voltage	230/400 Vac		
THDI	<3%		
Power Factor	0.8leadingto 0.8lagging		
Frequency	50/60HZ		
Battery Type	Battery Lead-acid/Li-ion/User Defined		
Rated Battery Voltage	48V		
Battery Voltage Range	40 ~ 60 Vdc		
Max Generator ChargingCurrent	100 A	120 A	
Max.Grid Charging Current	100 A	120 A	
Max.Hybrid Charging Current	180A	220A	260A
No.of MPPT Trackers	2		
Max.PVArray Power	6000W+6000W	7500 W+7500W	9000W+9000W
Max.Input Current	22A+22 A		
Max.PVIsC	37A+37A		
Max.Voltage of Open Circuit	800 Vdc+800 Vdc		
MPPT Voltage Range	200 ~ 650 Vdc		
Input Voltage Range	Phase voltage 170 ~ 280 Vac,line voltage 305 ~ 485 Vac		
Frequency Range	50/60 Hz		
Bypass Overload Current	23.2A	29 A	35A
MPPT Tracking Efficiency	Efficiency 99.9%		
Max.ffiency	97.5%		
European Efficiency	97.2%	97.5%	
Dimensions	700*440*260 mm		
Weight	39.2kg		
Protection Degree	IP65		
Operating Temperature Range	-25 ~ 60°C,>45°C derated		
Humidity range	0 ~ 100%		
Cooling Method	Forced air cooling		
Embedded Interfaces	Communication RS485/CAN/USB/Dry contact		
External Modules(Optional)	Wi-Fi/GPRS Certification		
On-grid standard	EN50549,VDE4105		
Safety	IEC62109-1,IEC62109-2		
EMC	EN61000-6-1,EN61000-6-3,FCC15 class B		
Rohs	Yes		