



HI5 SERIES Hybrid Inverter

Three Phase | 2MPPTs

8kW | 10kW | 12kW



Efficiency

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

Reliable

- Support three-phase pure sine wave output
- 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 260 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

MODEL	HI5-3P8K-LV	HI5-3P10K-LV	HI5-3P12K-LV
	Inverter Output		
Rated Output Power	8000 W	10000 W	12000 W
Max. Peak Power	16000 VA	20000 VA	24000 VA
Rated Output Voltage	230 / 400 Vac , Three-phase		
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	8000 W	10000 W	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	0.8 leading to 0.8 lagging		
Frequency	50 / 60 HZ		
	Battery		
Battery Type	Lead-acid / Li-ion / User Defined		
Rated Battery Voltage	48 V		
Battery Voltage Range	40 ~ 60 Vdc		
Max. Generator Charging Current	100 A	120 A	
Max. Grid Charging Current	100 A	120 A	
Max. Hybrid Charging Current	180 A	220A	260A
	PV Input		
No. of MPPT Trackers	2		
Max. PV Array Power	6000 W + 6000 W	7500 W + 7500 W	9000 W + 9000 W
Max. Input Current	22 A + 22 A		
Max.PV Isc	37 A + 37 A		
Max. Voltage of Open Circuit	800 Vdc + 800 Vdc		
MPPT Voltage Range	200 ~ 650 Vdc		
	Mains / Generator Input		
Input Voltage Range	Phase voltage 170 ~ 280 Vac , line voltage 305 ~ 485 Vac		
Frequency Range	50 / 60 Hz		
Bypass Overload Current	23.2 A	29 A	35 A
	Efficiency		
MPPT Tracking Efficiency	99.9%		
Max. Efficiency	97.5%		
European Efficiency	97.2%	97.5%	
	General		
Dimensions	700*440*260 mm		
Weight	39.2 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		
On-grid standard	EN50549, VDE4105		
Safety	IEC62109-1, IEC62109-2		
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B		
Rohs	Yes		