

HYBRID SOLAR CHARGER INVERTER

SPI-8K-UP / SPI10K-UP

US STANDARD SPLIT PHASE



120/240



48V



8-10KW



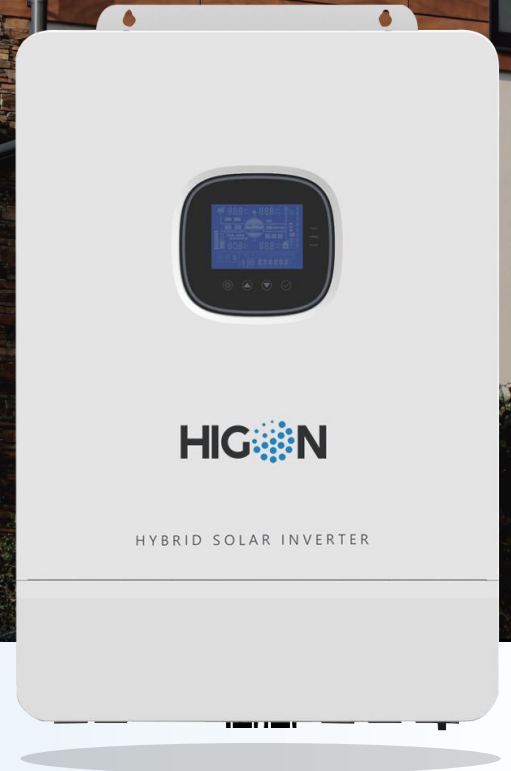
500V INPUT



IP20



6PCS PARALLEL



Efficient

- Dual MPPT with up to 99.9% efficiency
- Up to 22A PV input current perfect for high power pv modules

User-Friendly

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

All-in-one

- Solar Charger Controller up to 200A charging current
- Support for Li-ion Battery BMS communication

Scalable

- Up to 6pcs in parallel
- Both split phase and three phase parallel option

Reliable

- Output high quality pure sine wave AC power
- 8-10kW load power to meet the needs of most house

Intelligent

- Exclusive Li-ion Battery BMS dual activation
- Wifi Monitoring for online checking system status

Specification

MODEL	SPI-8K-UP	SPI-10K-UP	CAN BE SET
INVERTER OUTPUT			
Rated Output Power	8,000W	10,000W	
Max. Peak Power	16,000W	20,000W	
Rated Output Voltage	120Vac(single phase L+N+PE) / 240Vac(split phase L1+L2+N+PE)		✓
Load Capacity of Motors	5HP	6HP	
Rated AC Frequency	50/60Hz		✓
Waveform	Pure Sine Ware		
Switch Time	10s (typical)		✓
Parallel Capacity	Up to 6 pieces		
Output Mode	Off-grid (default) / Hybrid		
BATTERY			
Battery Type	Li-ion / Lead-Acid / User Defined		✓
Rated Battery Voltage	48Vdc		
Voltage Range	40~60Vdc		✓
Max. MPPT Charging Current	200A		✓
Max. Mains/Generator Charging Current	100A	120A	✓
Max. Hybrid Charging Current	180A	200A	✓
PV INPUT			
Num. of MPP Trackers	2		
Max.PV array power	5,500W + 5,500W		
Max.input current	22A + 22A		
Max.Voltage of Open Circuit	500Vdc + 500Vdc		
MPPT Voltage Range	125~425Vdc		
MAINS / GENERATOR INPUT			
Input Voltage Range	90~140Vac		
Frequency Range	50/6Hz		
Bypass Overload Current	63A		
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max. Battery Inverter Efficiency	92%		
GENERAL			
Dimensions	620*445*130mm (2*1.46*0.4ft)		
Weight	27kg (59.5lb)		
Protection Degree	IP20, indoor only		
Operating Temperature Range	-15~55 C, >45 C derated (5~131 F, >113 F derated)		
Nosie	< 60dB		
Cooling Method	Internal Fan		
Warranty	2 Years		
COMMUNICATION			
Embedded Interfaces	RS485 / CAN / USD / Dry Contact		✓
External Modules(Optional)	Wi-Fi / GPRS		✓
CERTIFICATION			
Safety	IEC62109-1, IEC62109-2, UL1741		
EMC	EN61000-6-1, EN61000-6-3, FCC 15 Class B		
RoHS	Yes		