



Built-in independent generator interface

- Advanced MPPT technology with up to 99.9% efficiency
- Up to 22A*2 PV input current perfect for high power
- Industrial design with a modern aesthetic look
- Easy to install and simple to use
- Solar Charger Controller up to 100A charging current
- Support for Li-ion battery
- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley
- 360 degrees of security from hardware to software
- EU and North American safety approvals
- Outputs high quality pure sine wave AC power
- IP65 protection degree for outside installation



MODEL	HT-8KW-A	CAN BE SET
INVERTER OUTPUT		
Rated Output Power	8,800W	
Max.Peak Power	17,600VA	
Rated Output Voltage	230Vac	✓
Load Capacity of Motors	5HP	
Rated AC Frequency	50/60Hz	
Permitted parallel number	1-6(single-phase / three-phase)	
Switch Time	10ms (typical)	
ON-GRID OUTPUT		
Rated Output Power	8800W	
Max.Apparent power	8800VA	
Max. grid Output Current	26A	
Total Harmonic Current	< 3%	
Power Factor	0.8 leading to 0.8 lagging	
BATTERY		
Battery Type	Lead-acid / Li-ion / User Defined	✓
Rated Battery Voltage	48V(minimum starting voltage 44V)	
Voltage Range	40~60Vdc	
Max.PV charging current	200A	✓
Max.Mains/Generator Charging Current	120A	✓
PV INPUT		
Num. of MPPT Trackers	2	
Max.PV Array Power	5500W+5500W	
Max.Input Current	22A*2	
Max.Voltage of Open Circuit	500Vdc	
MPPT Voltage Range	120-450Vdc	
MAINS/GENERATOR INPUT		
Input Voltage Range	UPS mode: 170~280Vac; APL mode: 90~280Vac	✓
Frequency Range	50/60Hz	
EFFICIENCY		
MPPT Tracking Efficiency	99.9%	
Max.Efficiency	92%	
GENERAL		
Dimensions	700*440*240mm	
Weight	37kg	
Protection Degree	IP65	
Operating Temperature Range	-25~60°C	
Noise	≤60dB	
Humidity range	0% - 100%	
Cooling Method	Forced air cooling, variable speed of fan	
Warranty	5 years	
COMMUNICATION		
Embedded Interfaces	RS485 / CAN / USB / Dry contact	✓
External Modules (Optional)	Wi-Fi / GPRS	
CERTIFICATION		
Safety	CE(IEC 62109-1/2), CEI0-21, VDE-AR-N-4105, EN50549-1	
EMC	EN61000, FCC-SODC	