

Built-in independent generator interface

- Dual MPPT technology maximizes the power output of solar panels
- Dual maximum 16A*2 input current, perfectly compatible with
- Outputs high quality pure sine wave AC power
- IP65 protection degree for outside installation
- 360 degrees of security from hardware to software
- EU and North American safety approvals
- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley
- Solar Charger Controller up to 100A charging current
- Support for Li-ion battery
- Industrial design with a modern aesthetic look
- Easy to install and simple to use



MODEL	HT-6KW-A	CAN BE SET
INVERTER OUTPUT		
Rated Output Power	6000W	
Max.Peak Power	12,000VA	
Rated Output Voltage	230Vac	✓
Load Capacity of Motors	4HP	
Rated AC Frequency	50/60Hz	
Permitted parallel number	1~6(single-phase / three-phase)	
Switch Time	10ms (typical)	
ON-GRID OUTPUT		
Rated Output Power	6000W	
Max.Apparent power	6000VA	
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	40～58Vdc	
Max.PV charging current	100A	✓
Max.Mains/Generator Charging Current	60A	✓
PV INPUT		
Num. of MPPT Trackers	2	
Max.PV Array Power	4500W+4500W	
Max.Input Current	16A*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	
Maximum bypass overload current	40A	
EFFICIENCY		
MPPT Tracking Efficiency	99.9%	
Max.Efficiency	92%	
GENERAL		
Dimensions	556*345*182mm	
Weight	20.8kg	
Protection Degree	IP65	
Operating Temperature Range	-25~60℃	
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	
CERTIFACATION		
Safety	CE(IEC 62109-1/2)、CEI0-21、VDE-AR-N-4105、EN50549-1	
EMC	EN61000、FCC-SODC	