

# Wall-mounted inverter

Solar controller integrated

>> Models:  
HBSI-10K



## Advantages



Supports smart shutdowns



Beautiful shape and easy



Supports DC arc pulling protection



Less than 10ms seamlessly enables standby power

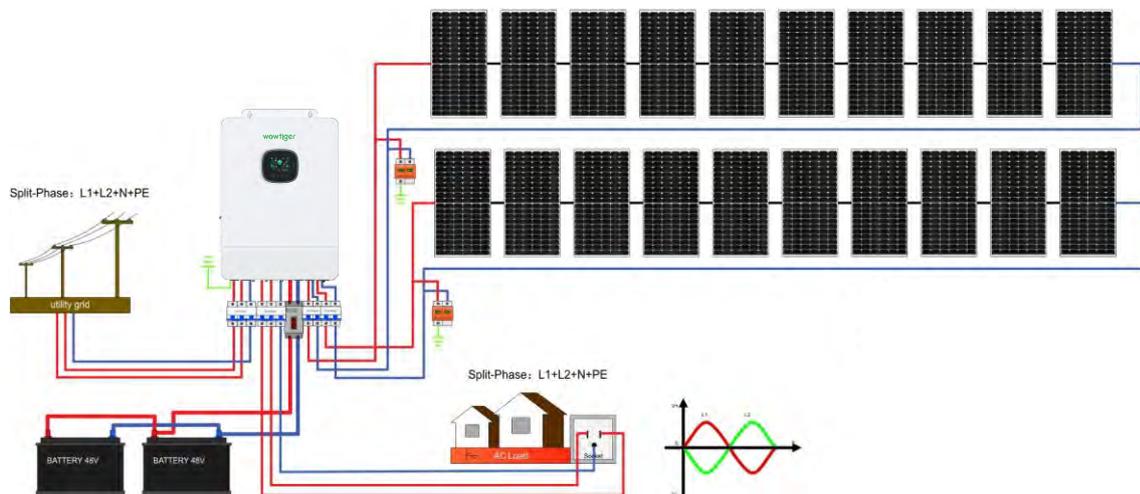


Good heat resistance  
Application of environmental temperature is high  
Up to +60 °C.



Light weight  
Small volume, light weight.

## Solar system connection



# Product Specifications

Model	HBSI-10K	Can be set
<b>INVERTER OUTPUT</b>		
Rated Output Power	10,000W	
Max.Peak Power	20,000W	
Rated Output Voltage	120/240Vac(split phase/single phase,	Y
Load Capacity of Motors	6HP	
Rated AC Frequency	50/60Hz	Y
Waveform	Pure Sine Wave	
Switch Time	10ms(typical)	
Parallel capacity	/	
Overload	After triggering the overload protection the inverter will resume output after 3 minutes, 5 consecutive overloads will switch off the output until the inverter is restarted.(102%<load<110%) ±10%: error and output shutdown after 5min; (110% < load < 125%) ±10%: error and output shutdown after 10s. Load > 125% ±10%: error reported and output switched off after 5s.	
<b>BATTERY</b>		
Battery Type	Li-ion / Lead-Acid / User Defined	Y
Rated Battery Voltage	48Vdc	
Voltage Range	40-60Vdc	Y
Max.MPPT Charging Current	200A	Y
Max.Mains/Generator Charging Current	120A	Y
Max.Hybrid Charging Current	200A	Y
<b>PV INPUT</b>		
Num. of MPP Trackers	2	
Max.PV array power	11,000W	
Max.input current	22/22A	
Max.Voltage of Open Circuit	500Vdc	
MPPT Voltage Range	125-425Vdc	
<b>MAINS / GENERATOR INPUT</b>		
Input Voltage Range	90-140Vac	
Frequency Range	50/60Hz	
Bypass Overload Current	63A	
<b>EFFICIENCY</b>		
MPPT Tracking Efficiency	99.9%	
Max. Battery Inverter Efficiency	92%	
<b>GENERAL</b>		
Dimensions	620*445*130mm (2*1.5*0.4ft)	
Weight	27kg (59lb)	
Protection Degree	IP20, Indoor Only 43	
Operating Temperature Range	-10~55°C,>45°C derated (14~131°F, >113°F derated)	
Noise	<60dB	
Cooling Method	Internal Fan	
Warranty	1 Years	
<b>COMMUNICATION</b>		
Embedded Interfaces	RS485 / CAN / USB / Dry contact	Y
External Modules (Optional)	Wi-Fi / GPRS	Y
<b>CERTIFICATION</b>		
Safety	IEC62109-1, IEC62109-2, UL1741	
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B	
RoHS	Yes	