

Wall-mounted inverter

Solar controller integrated

>> Models:

HG2436L

HG4858H



Advantages



Supports smart shutdowns



Beautiful shape and easy



Supports DC arc pulling protection



Less than 10ms seamlessly enables standby power

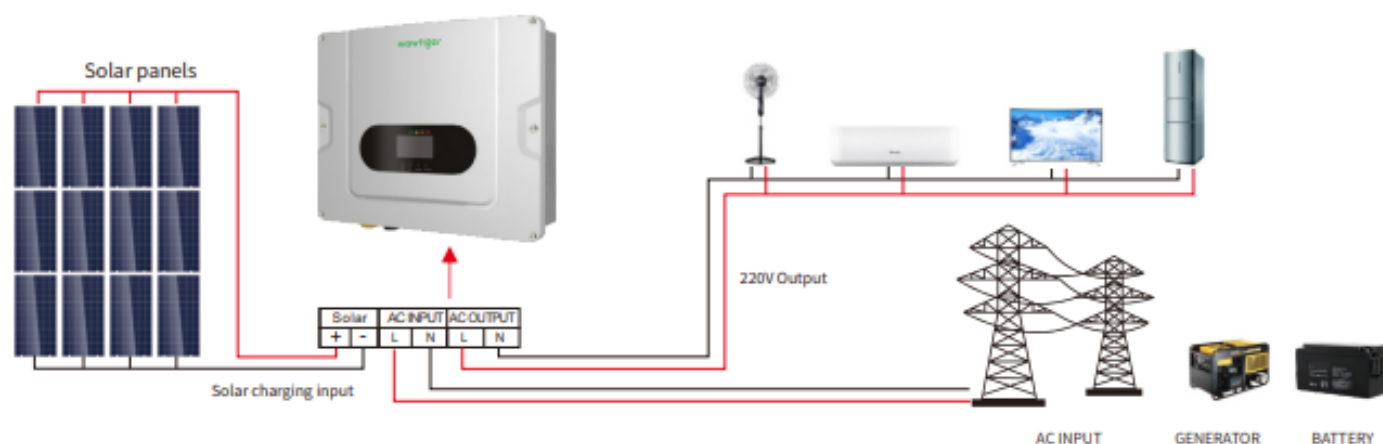


Good heat resistance
Application of environmental temperature is high
Up to +60 °C.



Light weight
Small volume, light weight.

Solar system connection



Product Specifications



Model		HG2436L	HG4858H
Parallel Connect	Max Parallel Connection Allowed	/	9
Utility Mode	Input Voltage	170~280Vac	
	Frequency	40~70Hz, Default	
	Overload/short circuit protection	The bypass circuit breaker (20 A)	The bypass circuit breaker (40 A)
	Maximum efficiency	99.5%	
	Conversion time(bypass and inverter)	10mS	
	Biggest bypass overload current	20A	40A
Inverter Mode	Output voltage waveform	Pure sine wave	
	Rated output power (W)	3KVA	5000W
	Power factor	P=0.8	P=1.0
	Rated output voltage (Vac)	208/220/230/240 Vac (Settable) Default 230V	
	Output frequency range (Hz)	50.0 / 60.0 Hz (Settable) Default 50 Hz	
	Maximum efficiency	>93%	>94.5%
	Overload Capacity	1min@102%~110% Load 10s@110%~130% Load 3s@130%~150% Load 0.2s@>150% Load	
	Battery voltage	25.6V	51.2V
	Compatible battery type	Lead-acid/lithium electricity	
	Utility Charging	Maximum charging current(can be set)	50A 80A
PV/Battery Charging	Type of controller (PV)	PWM	MPPT
	Largest PV open circuit voltage	85V	500V
	PV operating voltage range	30-80V	120-430V
	Largest PV input current	50A	18A
	Largest PV power input	/	5500W
Biggest mixed charging current (PV+ AC)	Solar charging current range (can be set)	10~50A	2~80A
	The biggest mixed charging current (can be set)	100A	80A
Specifications	Protection functions	Over-voltage and low-voltage protection, overload protection, short-circuit protection and over-temperature protection of lithium batteries	
	Working temperature range	-10°C-50°C	
	Storage temperature range	-15~60°C	
	Humidity range	20%~95% (No condensing)	
	Noise Level	≤50db	
	Heat dissipation	Forced air cooling	
	Display mode	LCD	LCD
	BMS communication method	/	485
	Monitoring method (optional)	WiFi/4G	
	Product size (L*W*H) mm	386*116*331	433*128*380
	Packing size(L*W*H) mm	436*383*171	483*470*183
	Net weight(kg)	7kg	9.5kg
	Gross weight(kg)	9kg	11.5kg

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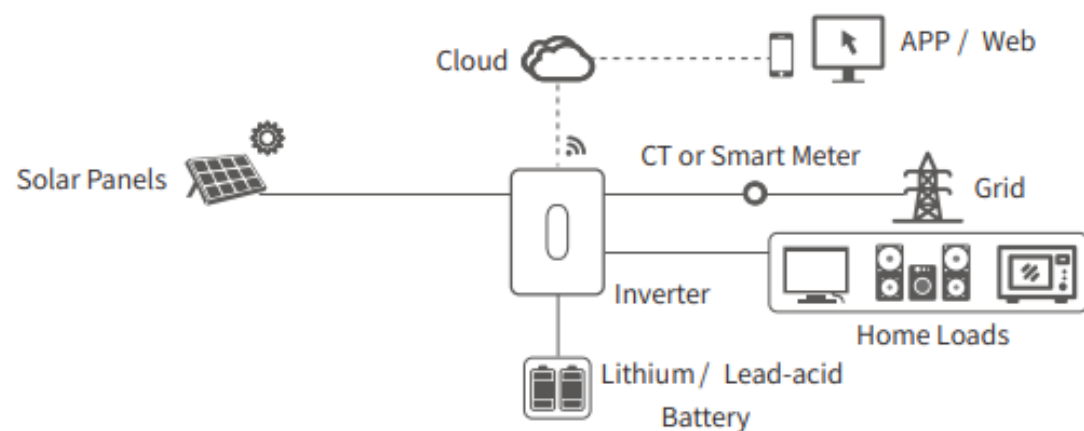
HBI-6K



Features:

- Wide MPPT Range
- 2 MPP trackers
- Type III SPD both on DC&AC side
- 19A MPPT input current per string
- IP66 protection level
- Integrated and concise design

Solar system connection



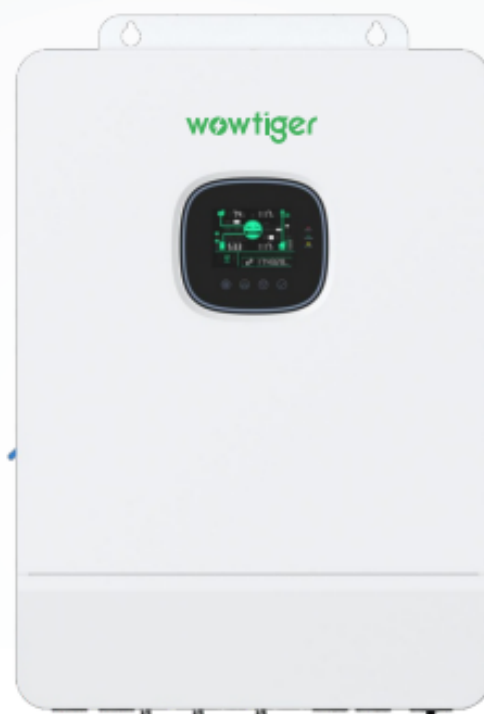
Product Specifications

Model	HBI-6K
PV Input	
Max. PV Input Power(kW)	9
Max. PV Open Circuit Voltage(V)	550
MPPT Range@Operating Voltage(VDC)	80~520
Full Power MPPT Voltage Range(VDC)	250~500V
Star-up Voltage(VDC)	90
Max. Input Current per MPPT(A)	19/19
Max. Short-circuit Current(A)	25/25
MPPT Tracker/Strings	2/1
Nominal Input Voltage(V)	360
AC Output(On-Grid)	
Nominal Output Power to Grid(kW)	6
Max. Apparent Power to Grid(kVA)	6
Max. Apparent Power from Grid(kVA)	6
Max. Apparent Current from Grid(A)	26.1
Nominal Output Current from Grid(A)	26.1
Max. Output Current to Grid(A)	26.1
Nominal Voltage/Frequency	230V(176V~280V),50/60Hz,L+N+PE
Adjustable Power Factor	0.8leading~0.8lagging
THDI	<2%
AC Output(BackUp)	
Nominal Output Power(kW)	6
Max. Apparent Power(kVA)	6
Nominal Output Current(A)	26.1
Max. Output Current(A)	26.1
Nominal Voltage/Frequency	230V(176V~238V),50/60Hz,L+N+PE
Automatic Switch Time(ms)	<20
THDu	<2%
Overload Capacity	110%,30s/120%,10s/150%,0.02s
Efficiency	
Max. Efficiency	98%
Europe Efficiency	97.50%
MPPT Efficiency	99.00%
Max. Battery Charge/Discharge Efficiency	94.60%
Battery	
Battery Voltage Range(V)	40~60
Recommended Battery Voltage(V)	48
Max. Charging Voltage(V)	60
Max. Charging/Discharging Current(A)	120/120
Battery Type	Lithium and Lead Acid Battery
Protection	
DC Switch	Yes
DC Reverse Polarity Protection	Yes
DC/AC Surge Protection	Type III / Type III
AC Over voltage Protection	Yes
AC Short-circuit Protection	Yes
Ground Fault Monitoring	Yes
Anti-islanding Protection	Yes
Residual-current Monitoring	Yes
Insulation Resistance Monitoring	Yes
Peak/Valley Time Setting	Yes
General Data	
HMI	LCD & APP
BMS	RS485; CAN
EMS/Meter	RS485
Communication	WiFi(standard)/GPRS(opt)/4G(opt)
Ingress Protection	IP66
Operating Temperature Range	-25~60°C
Relative Humidity	0~95%(Non-condensing)
Max. Operating Altitude	4000m(Derating above 3000m)
Cooling	Natural
Noise Emission	≤ 29dB
Dimensions(W*H*D)	485*527*230mm
Net Weight(kg)	24
Self-consumption(W)	<10
Standard Compliance	
Safety Regulation	IEC/EN62109-1/-2
EMC	IEC/EN61000-6-1/-2/-3
Grid Regulation	Europe: EN50549, South Africa: NRS097-2-1:2017,Belgium: C10/11

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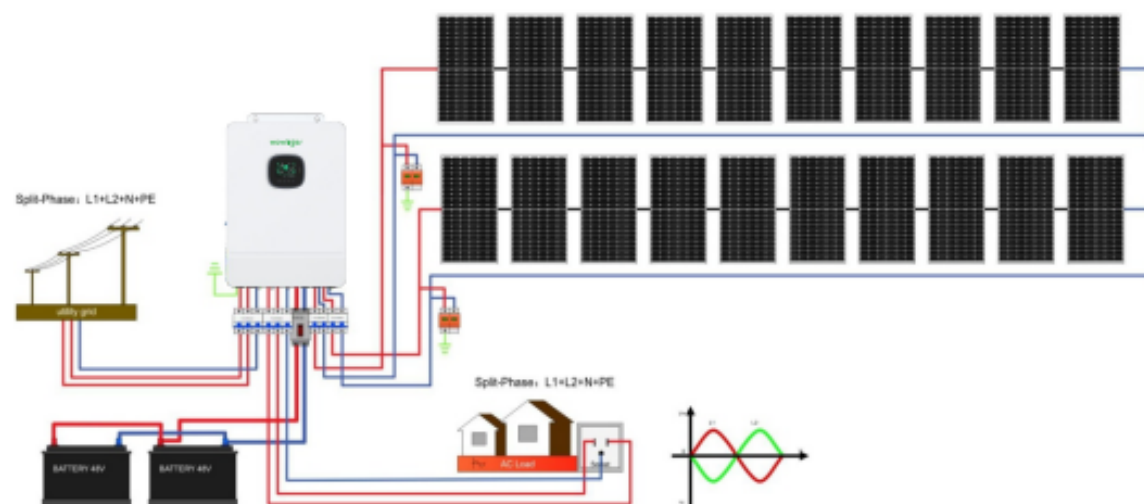
>> Models:
HBSI-10K



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.

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Product Specifications

Model	HBSI-10K	Can be set
INVERTER OUTPUT		
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.	
BATTERY		
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
PVINPUT		
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	
MAINS / GENERATOR INPUT		
Input Voltage Range	90-140Vac	
Frequency Range	50/60Hz	
Bypass Overload Current	63A	
EFFICIENCY		
MPPT Tracking Efficiency	99.9%	
Max. Battery Inverter Efficiency	92%	
GENERAL		
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	
COMMUNICATION		
Embedded Interfaces	RS485 / CAN / USB / Dry contact	Y
External Modules (Optional)	Wi-Fi / GPRS	Y
CERTIFICATION		
Safety	IEC62109-1, IEC62109-2,UL1741	
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B	
RoHS	Yes	