

Wall-mounted inverter

Solar controller integrated

>> Models:

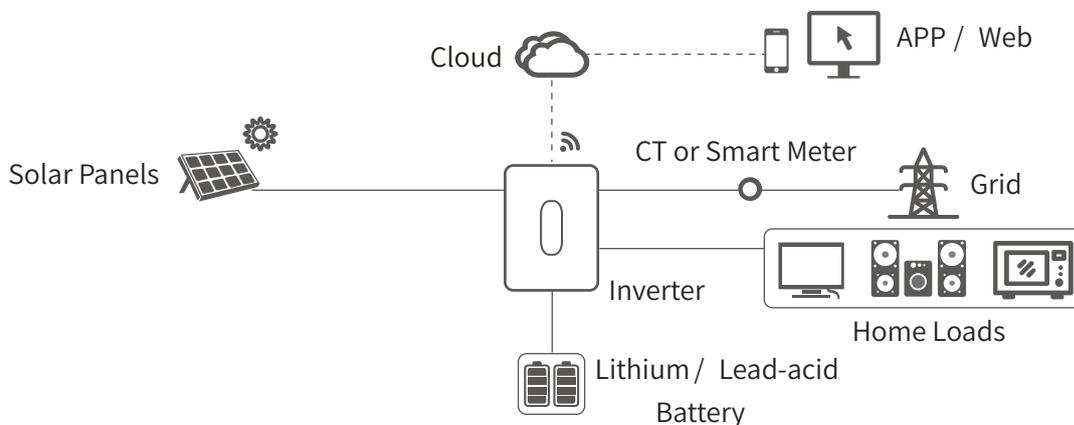
HBI-6K



⚡ 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