



# HYBRID INVERTER(Grid-tied)

JB8K-HPH / JB10K-HPH / JB12K-HPH



## Powerful

Single-phase 120V, split-phase 240V, up to 12KW output. 1.2 times the current, 60s off-grid overload capacity.



## Efficient

Up to 98% conversion efficiency, 99.3% MPPT efficiency. Four MPPT strings, support 1.5 times PV string input.



## Safe

UL, IEC, and FCC safety regulations. Multi-protections (leakage, anti-islanding, and surge resistance).



## Reliable

IP65 rating with C5 anti-corrosion grade. Supports external RSD and EPO switches, utility bypass switch.



## Friendly

Specific harmonic suppression technology, effectively reduce current harmonics. Support generator load connection.



## Intelligent

Multiple operation modes, UPS switch time  $\leq$  10ms. Support APP remote monitoring and management.

MODEL	JB8K-HPH	JB10K-HPH	JB12K-HPH
<b>AC-OUTPUT (ON-GRID)</b>			
Max.Apparent Power Output to Utility Grid	8000W	10000W	12000W
Max.Apparent Power from Utility Grid	9600W	12000W	14400W
Nominal Output Voltage	2L/N/PE, 120/240Vac		
Nominal AC Grid Frequency	50/60Hz ( $\pm$ 1%Hz)		
Power Factor	>0.99Rated Power (Adjustable 0.8 leading - 0.8 lagging)		
Output THDv (@Linear Load)	<3%		
<b>AC-OUTPUT (BACK-UP)</b>			
Max.Output Nominal Power	8000W	10000W	12000W
Peak Power/Time	9600W/60s	12000W/60s	14400W/60s
Switch Time	10ms		
Max.Output Current	13.4A	16.7A	20A
Nominal Output Voltage	2L/N/PE, 120/240Vac		
Nominal Output Frequency	50/60Hz ( $\pm$ 1%Hz)		
Power Factor	>0.99Rated Power (Adjustable 0.8 leading - 0.8 lagging)		
Output THDv (@Linear Load)	<3%		
<b>PV-INPUT</b>			
Max.Input Power	12000Wp	15000Wp	18000Wp
Max.Input Voltage	600Vdc		
MPPT Operating Voltage Range	90-550Vdc		
Max.Input Current per MPPT	16A		
Numbers of MPPT	3	4	
Max. Input String Per MPPT	1/1/1	1/1/1/1	
<b>BATTERY-INPUT</b>			
Rated battery voltage	350Vdc		
Battery Voltage Range	90~500Vdc		
Max.Continuous Charging/Discharging Current	40A	45A	50A
Max.Battery Charge/Discharge Power	8000W	10000W	12000W
Battery Type	Li-ion/Lead-Acid		
<b>AC-INPUT</b>			
Input Voltage Range	110-130Vac/220-260Vac		
Rated Grid Input Frequency	50/60Hz ( $\pm$ 5%Hz)		
Rated Grid Input Power	8000W	10000W	12000W
Rated Grid Input Current	13.4A	16.7A	20A
<b>EFFICIENCY</b>			
Max.Efficiency	97.6%	97.8%	98%
California Efficiency	97.2%	97.3%	97.5%
MPPT Efficiency	99.3%		
Max.Battery to AC Efficiency	97.1%		
<b>GENERAL DATA</b>			
Protection	DC Switch; Ground Fault Detection; PV Quick Shutdown Control; PV Arc Fault Detection; PV Input Lightning Protection; PV Reverse Polarity Protection; Surge Protection: DC Type II /AC Type II; AC Grid Input Circuit Breaker; Battery DC Circuit Breaker		
Ambient Temperature Range	-20~55°C (-4~131°F)		
Relative Humidity	0~95% (Non-condensing)		
Max.Operating Altitude	4000M (>3000M Derating)		
Cooling Method	Nature Convection		
Display	LCD+APP		
Communication	RS485/CAN/Ethernet, Optional: WiFi/4G/LAN		
Noise Emission	<30dB		
Topology	Battery Isolation		
Self-consumption at Night	<15W		
Ingress Protection Grade	IP65		
Mounting Method	Wall Bracket		
Dimension(WxHxD)	490x690x250mm (1.6x2.3x0.8ft)		
Weight	32Kg (70.5Lb)		
Certifications&Standards	UL 1741, CSA 222No.107-01, UL 1998, UL1699B, FCC part 15, CLASS B, California Rule 21, HECO Rule 14, IEEE 1547, IEEE 1547.1		

NOTE: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.