



# HYBRID INVERTER (Grid-tied)

JB8K-HTH/JB10K-HTH/JB12K-HTH



## Powerful

Battery input voltage up to 600V  
Single PV input current up to 26A



## Reliable

IP65 rating with C5 anti-corrosion grade  
Multi-protections (leakage, anti-islanding, and surge resistance)



## Efficient

Max efficiency >98%,  
European efficiency >97%  
Four MPPT strings,  
support 1.5 times PV string input



## Friendly

Specific harmonic suppression technology,  
effectively reduce current harmonics  
Support three-phase unbalanced load



## Intelligent

Multiple operation modes, UPS switch time ≤ 10ms  
Support APP remote monitoring and management



# JB-HTH Series

Joulebank

MODEL	JB8K-HTH	JB10K-HTH	JB12K-HTH
<b>PV-INPUT</b>			
Max.Input Power	12000Wp	15000Wp	18000Wp
Max.Input Voltage		1000Vdc	
MPPT Operating Voltage Range		200-850Vdc	
Max.Input Current per MPPT		26A	
Numbers of MPPT		2	
Max. Input String Per MPPT		2/2	
<b>BATTERY-INPUT</b>			
Rated battery voltage		350Vdc	
Battery Voltage Range		160-600Vdc	
Max.Continuous Charging/Discharging Current	30A	35A	40A
Max.Battery Charge/Discharge Power	8000W	10000W	12000W
Battery Type		Lithium/Lead-acid	
<b>AC-INPUT</b>			
Rated Grid Input Voltage		3L/N/PE, 220/380Vac, 230/400Vac, 240/415Vac	
Rated Grid Input Frequency		50/60Hz (±5%)	
Rated Grid Input Power	8000W	10000W	12000W
Rated Grid Input Current	13.4A	16.7A	20A
<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		3L/N/PE 380/400Vac	
Nominal AC Grid Frequency		50/60Hz (±0.1%)	
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		3L/N/PE 380/400Vac	
Nominal Output Frequency		50/60Hz (±0.1%)	
Power Factor		>0.99Rated Power (Adjustable 0.8 leading - 0.8 lagging)	
Output THDv (@Linear Load)		<3%	
<b>EFFICIENCY</b>			
Max.Efficiency	97.6%	97.8%	98%
European Efficiency	97.2%	97.3%	97.5%
MPPT Efficiency		99.9%	
Max.Battery to AC Efficiency		96%	
<b>GENERAL DATA</b>			
Protection	DC Switch, PV Insulation Resistance Detection, Residual Current Monitoring, Anti-islanding Protection, Reverse Polarity Protection(PV&Battery), AC Short Circuit Protection, AC Overcurrent Protection, AC Overvoltage Protection: LEVEL III; PV&Battery: LEVEL II, Surge Protection, Lightning Protection: TYPE II		
Ambient Temperature Range	-30~60 C (Derating above 45 C)		
Relative Humidity	0~95% (Non-condensing)		
Max.Operating Altitude	4000M (>3000M Derating)		
Cooling Method	Nature Convection		
Display	LCD+APP		
Communication	RS485/Bluetooth/CAN2.0/Ethernet, Optional: WiFi/GPRS/LAN		
Noise Emission	<30dB		
Topology	Battery Isolation		
Self-consumption at Night	<10W		
Ingress Protection Rating	IP66		
Mounting Method	Wall Bracket		
Dimension(W×H×D)	556x536x200mm		
Weight	27Kg		
Certifications&Standards	IEC62109, IEC62116, IEC61727, IEC61683, IEC62040, IEC60068, EN61000, EN50549/EN50438, VDE-AR-4105, VDE-AR-0126, CEI 0-21, G99/G98, NTS typeA, NFS 097-2-1, AS/NZS 4777, UNE217001-1/2, RD244, RD1699, RD647		

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.