



JH-3~10K-TH

Three Phase Hybrid Solar Inverter

3kW / 4kW / 5kW / 6kW / 8kW / 10kW



200% unbalance Load



Touch Buttons



UPS switch time < 10ms



JOHN RAY SOLAR ENERGY

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Model	JH-3K-TH	JH-4K-TH	JH-5K-TH	JH-6K-TH	JH-8K-TH	JH-10K-TH
Input (PV)						
Max. Input Power:	5 kW	6 kW	7.5 kW	9 kW	12 kW	15 kW
Rated Voltage:	620 V					
DC Input Voltage Range:	150~1000 V					
MPPT Voltage Range:	150~850 V					
Number of MPPT / Strings:	2 / 2					
Max. Input / Short Current :	20 A x2 / 30 A x2					
Output (AC)						
Rated Output Power:	3 kVA	4 kVA	5 kVA	6 kVA	8 kVA	10 kVA
Max. AC Input Power:	4.5 kVA	6 kVA	7.5 kVA	9 kVA	12 kVA	15 kVA
Max. Output Current:	5.3 A	7 A	8.5 A	10.5 A	13.5 A	17 A
Rated Output Voltage:	230/400 V					
Rated Frequency:	50/60 Hz					
Power Factor:	1 (-0.8-0.8)					
THDi:	<3%					
Output (Back-up)						
Rated Output Power:	3 kVA	4 kVA	5 kVA	6 kVA	8 kVA	10 kVA
Rated Output Current:	4.4 A	5.8 A	7.3 A	8.7 A	11.6 A	14.5 A
Rated Output Voltage:	230/400 V					
Peak Output Apparent Power:	3.3 kVA, 60s	4.4 kVA, 60s	5.5 kVA, 60s	6.6 kVA, 60s	8.8 kVA, 60s	11 kVA, 60s
Rated Frequency:	50/60 Hz					
Automatic Switch Time:	<10 ms					
Battery						
Battery Type:	Lithium / Lead-acid					
Battery Voltage Range:	150~800 V					
Charge/Discharge Current:	30 A					
General Data						
European Efficiency:	97.5%					
Max. DC Efficiency:	98%			98.2%		
Battery Charge/Discharge Efficiency:	98%					
Protection:	Reverse Polarity, Over Current/Voltage, Anti-islanding, AC Short-circuit, Leakage Current Detection, Ground Fault Monitoring, Grid Monitoring					
Display & Communication Interfaces:	LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G					
Operation Temperature:	-25~60°C					
Cooling Method:	Natural Cooling			Smart Cooling		
Ingress Protection Rating:	IP65					
Noise Emission:	<30 dB					
Max. Operating Altitude:	4000 m					
Topology:	Transformerless					
Standby Power Consumption:	<5 W					
Certifications:	NR597, G98/G99, EN50549-1, C10/C11, AS 4777, VDE-AR-N4105, VDE0126, IEC62040, IEC62109-1, IEC62109-2, EN61000-6-2, EN61000-6-3					
Warranty:	5 years (standard) / 10 years (optional)					
Dimensions (WxHxD):	370x497x196 mm					
Weight:	20.8 kg					

