



JH-3-6K-ML

Single Phase Hybrid Solar Inverter

3kW / 3.6kW / 4kW / 5kW / 6kW



7-mode switch on back-up port



Lighter and one-piece molding



Smart energy management



Multilanguage display



Parallel to form 3-phase inverters



Combinable with on-grid inverter

JH-3-6K-ML Single Phase Hybrid Solar Inverter

Technical Data	JH-3K-ML	JH-3.6K-ML	JH-4K-ML	JH-5K-ML	JH-6K-ML
Input (PV)					
Max. Input Power:	7 kW	7 kW	9 kW	9 kW	9 kW
Max. Input Voltage:	550 V				
Voltage Range:	80~550 V				
Starting Voltage / Min. Operating Voltage:	100 V / 80 V				
MPPT Voltage Range:	90~550 V				
Number of MPPT / Strings per MPPT:	2 / 1				
Max. Current per MPPT:	15 A				
Output (AC)					
Rated Output Power:	3 kW	3.6 kW	4 kW	5 kW	6 kW
Max. Output Power:	3.3 kVA	4 kVA	4.4 kVA	5.5 kVA	6.6 kVA
Rated Output Current:	13 A	15.6 A	18 A	22 A	26 A
Max. Output Current:	14 A	17 A	19 A	24 A	29 A
Rated Output Voltage:	230 V				
Operating Voltage Range:	180~280 V				
Rated Frequency:	50/60 Hz (± 5 Hz)				
Power Factor:	-0.8~+0.8 (adjustable)				
THDi:	<3%				
Output (Back-up)					
Peak Output Apparent Power:	4 kVA	4.6 kVA	5 kVA	6 kVA	7 kVA
Rated Output Power:	3 kVA	3.6 kVA	4 kVA	5 kVA	6 kVA
Rated Output Voltage:	208V, 220V, 230V, 240V				
Rated Frequency:	50/60 Hz				
Automatic Switch Time:	<10 ms				
THDv:	<3%				
Battery					
Battery Type:	Lithium / Lead-acid				
Battery Voltage Range:	42~59 V				
Charge/Discharge Current:	80 A	80 A	100 A	100 A	100 A
Max. DC Efficiency:	98%				
European Efficiency:	97.5%				
Battery Charge/Discharge Efficiency:	94%				
Protection:	Insulation impedance, Anti-islanding, PV reverse polarity, RCD detection, Output over voltage, Output over current				
Display:	LCD				
Load Monitoring:	Meter / CT / Backup box				
Communication:	WiFi / 4G / USB / CAN / RS485				
Operation Temperature:	-25~60°C				
Cooling Method:	Natural Cooling				
Ingress Protection Rating:	IP65				
Noise Emission:	<25 dB				
Max. Operating Altitude:	4000 m				
Topology:	Transformerless				
Standby Power Consumption:	<3 W				
Certifications:	CE, G83/G59, VDE0126-1-1, AS4777, AS/NZS3100, CEI 0-21, VDE-AR-N4105				
Warranty:	5 Years				
Dimensions (WxHxD):	375x365x240 mm				
Weight:	20 kg				