



Features

- 1 Hybrid design, on-grid, off-grid and energy storage function combined
- 2 Autonomous energy management and operation without EMS
- 3 Intelligent charging function with shorter battery charging path, high usage of PV power
- 4 Multi source hybrid function, enable to on-grid paralleling with diesel generator etc.
- 5 Black start-up function
- 6 Enable operation with 100% unbalanced load for 3 phases
- 7 Online seamless handover between on-grid and off-grid modes
- 8 Active and reactive power control (instantly)
- 9 Support various load types independently or mixed
- 10 Comprehensive and high precision operation and fault monitoring and recording

Model Specifications	JMPCS-20(H)	JMPCS-30(H)	JMPCS-50(H)
AC Connection	3P5W(Transformer)		
DC Input Data(PV Side)			
Max. Input Power	22 kW	33 kW	55 kW
MPPT Voltage Range	450~850 V	450~850 V	420~850 V
Max. Input Current	44 A	66 A	131 A
Start Voltage	450 V		
Open Circuit Voltage	1000 V		
DC Input Data(Battery Side)			
Max. Input Power	22 kW	33 kW	55 kW
DC Voltage Range	360~800 V	360~800 V	420~850 V
Max. Input Current	56 A	83 A	131 A
Voltage Stabilizing Precision	≤1%		
Current Stabilizing Precision	≤2%		
Output Data(AC Side)			
On-grid Mode			
Rated Power	20 kW	30 kW	50 kW
Max. Output Power	22 kVA	33 kVA	55 kVA
Max. Output Current	32 A	48 A	79 A
Operation Voltage Range	400V ± 10%		
Rated Voltage	400 V		
Overloading Capability	1.1		
Rated Frequency	50 Hz		
THDI @ Rated Power	<3%		
Power Factor	0.9(Leading) ~ 0.9(Lagging)		
Islanding Mode			
Max. Output Power	22 kVA	33 kVA	55 kVA
Max. Output Current	32 A	48 A	79 A
THDU	<3%		
Rated Frequency	50 Hz		
Rated Voltage	400V ± 5%		
Power Factor	0.9(Leading) ~ 0.9(Lagging)		
Protection	Anti-Islanding Protection, Low Voltage Ride Through, Over Current/Voltage Protection (AC), Phase Error Protection, Over Current/Voltage Protection (DC), DC Reverse Polarity Protection, Short-circuit Protection, Insulation Protection, Abnormal Switch State Protection, BMS Fault State Respond Protection,		
General Data			
Max. Efficiency	0.955	0.96	0.966
Dimensions	600 × 1400 × 600 mm	600 × 1400 × 600 mm	800 × 1800 × 600 mm
Weight 2	50 kg	320 kg	800 kg
Altitude	6000 m (derating over 4000 m)		
Ingress Protection	IP20		
Noise	<65 dB		
Operating Temperature	-35 °C ~ +55 °C		
Storage Temperature	-40 °C ~ +70 °C		
Cooling Concept	Forced Air		
Humidity	0~95% (Non-condensing)		
Communication Interfaces	Ethernet, RS485, CAN2.0		