



## 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-330KTL(H)	JMPCS-500KTL (H)
AC Connection	3P3W(Transformerless)	
<b>DC Input Data(PV Side)</b>		
Max. Input Power	330 kW	275 kW
Max. Input Current	630 A	556 A
MPPT Voltage Range	450~850 V	
Start Voltage	500 V	
Open Circuit Voltage	1000 V	
<b>DC Input Data(Battery Side)</b>		
Max. Input Power	330 kW	275 kW
Max. Input Current	630 A	556 A
DC Voltage Range	450~850 V	
Voltage Stabilizing Precision	≤1%	
Current Stabilizing Precision	≤2%	
<b>Output Data(AC Side)</b>		
<b>On-grid Mode</b>		
Rated Power	300 kW	500 kW
Max. Output Power	330 kVA	550 kVA
Max. Output Current	476 A	794 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)	
<b>Islanding Mode</b>		
Max. Output Power	330 kVA	550 kVA
Max. Output Current	476 A	794 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	
<b>General Data</b>		
Max. Efficiency	0.972	0.975
Dimensions	2200 × 2000 × 800 mm	2400 × 2200 × 800 mm
Weight	1600 kg	2000 kg
Altitude	5000m (derating over 4000m)	
Ingress Protection	IP20	
Noise	<65 dB	
Operating Temperature	-35 ℃ ~ +55 ℃	
Storage Temperature	-40 ℃ ~ +70 ℃	
Cooling Concept	Forced Air	
Humidity	0~95% (Non-condensing)	
Intefaces	Ethernet, RS485, CAN2.0	