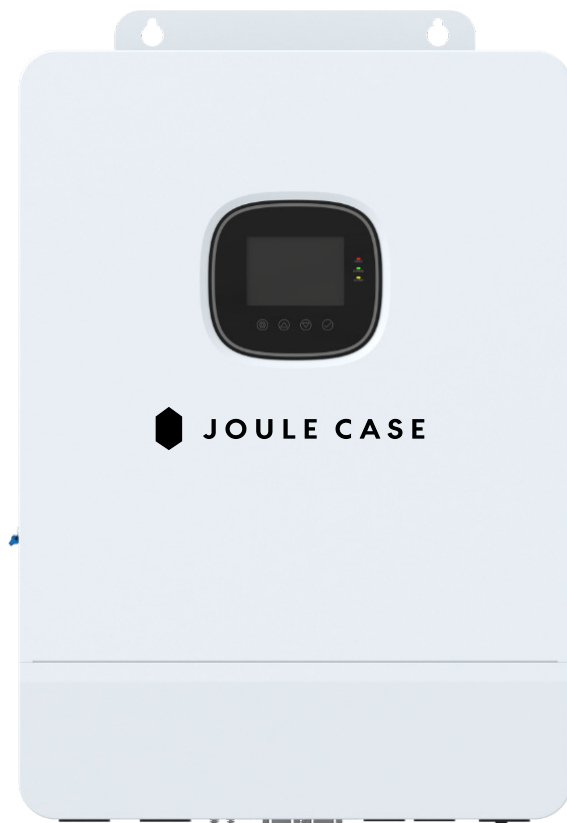




JOULE CASE

JC8K & JC10K



1.7

Efficiency

- Advanced MPPT technology with up to 99.9% efficiency
- Up to 22+22A PV input current

Safety

- Comprehensive security from hardware to software
- Multiple safety approvals

All-in-one

- Up to 200A charging current
- Support Li-ion battery BMS communication

Reliable

- Outputs high quality pure sine wave AC power
- Up to 10kW output power

User-friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley

Application scenario



House



Mobile Business



Telecom



Countryside



Island



Pasture

MODELS	JC10K	JC8K	Can Be Set
INVERTER OUTPUT			
Rated Output Power	10,000W	8,000W	
Max. Peak Power	20,000W	16,000W	
Rated Output Voltage	120 , single-phase / 240V , split-phase		✓
Load Capacity of Motors	6HP	5HP	
Rated AC Frequency	50/60Hz		✓
Waveform	Pure sine wave		
Switch Time	10ms (typical)		
BATTERY			
Battery Type	Li-ion / Lead-acid / User-defined		✓
Rated Battery Voltage	48Vdc		
Battery Voltage Range	40 ~ 60Vdc		✓
Max. MPPT Charging Current	200A	180A	✓
Max. Mains / Generator Charging Current	120A	100A	✓
Max. Hybrid Charging Current	200A	180A	✓
PV INPUT			
Num. of MPPT Trackers	2		
Max. PV Array Power	5,500W+5,500W		
Max. Input Current	22A+22A		
Max. Open Circuit Voltage	500Vdc+500Vdc		
MPPT Voltage Range	125 ~ 425Vdc		
UTILITY / GENERATOR INPUT			
Input Voltage Range	90 ~ 140Vac		✓
Frequency Range	50/60Hz		
Bypass Overload Current	63A		
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max. Battery Inverter Efficiency	92%		
GENERAL			
Dimensions	24.5" (H) x 17.5" (W) x 5.1" (D)		
Weight	59.5 lbs		
Protection Degree	IP20 , indoor only		
Operating Temperature Range	14°F~131°F, >113°F derated		
Noise	<60dB		
Cooling Method	Internal Fan		
Warranty	18 Months		
COMMUNICATION			
Embedded Interfaces	RS485 / CAN / USB / Dry contact		✓
External Modules (Optional)	Wi-Fi / GPRS		✓
CERTIFICATION			
Safety	IEC62109-1, IEC62109-2, UL1741		
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B		
RoHS	Yes		