



15 Years
Manufacturer Experience

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48V/10KW Split-Phase Hybrid Solar Inverter





Hybrid Solar Inverter 10KW



Efficient

- Dual MPPT with up to 99.9% efficiency
- Up to 22A PV input current perfect for high power modules



All-in-one

- Solar Charger Controller up to 200A charging current
- Support for Li-ion battery BMS communication



Safety

- 360 degrees of security from hardware to software
- EU and North American safety approvals



User-friendly

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



Reliable

- Outputs high quality pure sine wave AC power
- 10kW load power to meet the needs of most households
- Flexible to expand system power from 10-60KW



Intelligent

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

Technical Data

MODEL	JB10KLP	CANBE SET
INVERTER OUTPUT		
Rated Output Power	10,000W	
Max. Peak Power	20,000W	
Rated Output Voltage	120/240Vac(L1/L2/N/PE split phase)	Y
Load Capacity of Motors	6HP	
Rated AC Frequency	50/60Hz	Y
Waveform	Pure Sine Wave	
Switch Time	10ms(typical)	
Parallel capacity	6	
BATTERY		
Battery Type	Li-ion/Lead-Acid/User Defined	Y
Rated Battery Voltage	48Vdc	
Voltage Range	40-60Vdc	Y
Max. MPPT Charging Current	200A	Y
Max. Mains/Generator Charging Current	120A	Y
Max. Hybrid Charging Current	200A	Y
PV INPUT		
Num. of MPP Trackers	2	
Max. PV array power	11,000W	
Max. input current	22/22A	
Max. Voltage of Open Circuit	500Vdc	
MPPT Voltage Range	125-425Vdc	
MAINS / GENERATOR INPUT		
Input Voltage Range	90-140Vac	
Frequency Range	50/60Hz	
Bypass Overload Current	63A	
EFFICIENCY		
MPPY Tracking Efficiency	99.9%	
Max. Battery Inverter Efficiency	92%	
GENERAL		
Dimensions	620*435*130mm(2*1.4*0.4ft)	
Weight	21kg(46.3lb)	
Protection Degree	IP20,Indoor Only	
Operating Temperature Range	-15~55°C,>45°C derated (5~131°F,>113°F derated)	
Noise	<60dB	
Cooling Method	Internal Fan	
Warranty	2 Years	
COMMUNICATION		
Embedded Interfaces	RS485 / CAN/USB / Dry contact	Y
External Modules (Optional)	Wi-Fi / GPRS	Y
CERTIFICATION		
Safety	IEC62109-1, IEC62109-2,UL1741	
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B	
RoHS	Yes	

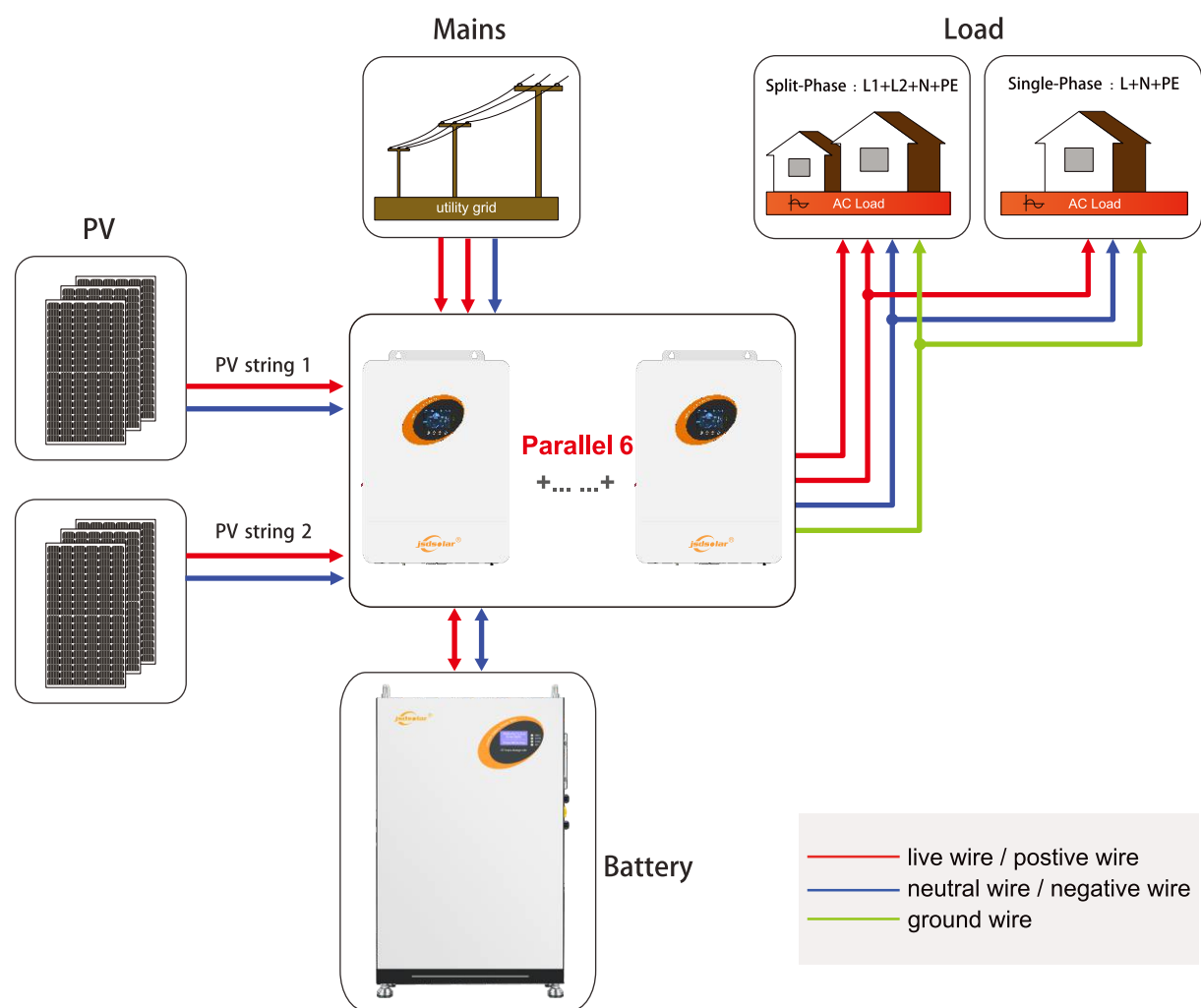
BATTERY

Mode	BG48100
Normal Capacity	100Ah
Total Energy	5KWH
Battery Type	LiFePO4
Normal Voltage	51.2V
Max.Charge / Discharge Current	100A
Installation	Wall Mounted
Waterproof	IP21&IP65
Communication Port	RS232/RS485/CAN
Support Parallels	Max.15pcs in Parallels
Dimension	635*400*165mm
Weight	48KG
Certificates	CE UN38.3

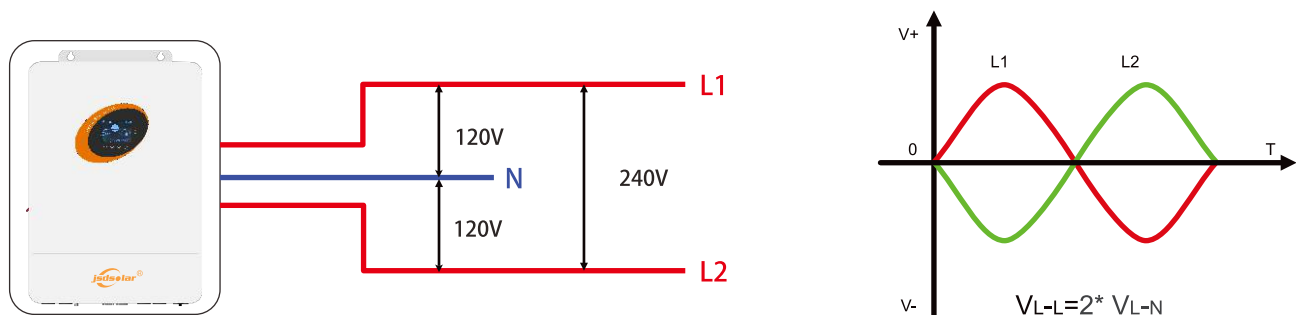
SOLAR PANEL

Model Type	VSMH114-550-M10
Peak Power(Pmax)	550.00
Maximum Power Voltage(Vmp)	42.10
Maximum Power Current(Imp)	13.16
Open Circuit Voltage(Voc)	50.01±3%
Short Circuit Current(Isc)	14.01±3%
Module Efficiency(%)	21.28
Peak Power(Pmax)	408.9
Maximum Power Voltage(Vmp)	39.09
Maximum Power Current(Imp)	10.46
Open Circuit Voltage(Voc)	46.92±3%
Short Circuit Current(Isc)	11.20±3%
Cell Type	182*91Mono
No.of Cells	144(12*12)
Dimensions	2279*1134*35mm
Weight	28.4KG

System Diagram



AC Output Voltage Range



Items	Description
Applicable Model	ASF series U model
Output Voltage Range (L-N)	100~120Vac, 120Vac default
Output Voltage Range (L-L)	200~240Vac, 240Vac default