

48V/8-10KW Split-Phase Hybrid Solar Inverter

JA8KL/JA10KL





Hybrid Solar Inverter 8-10KW



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



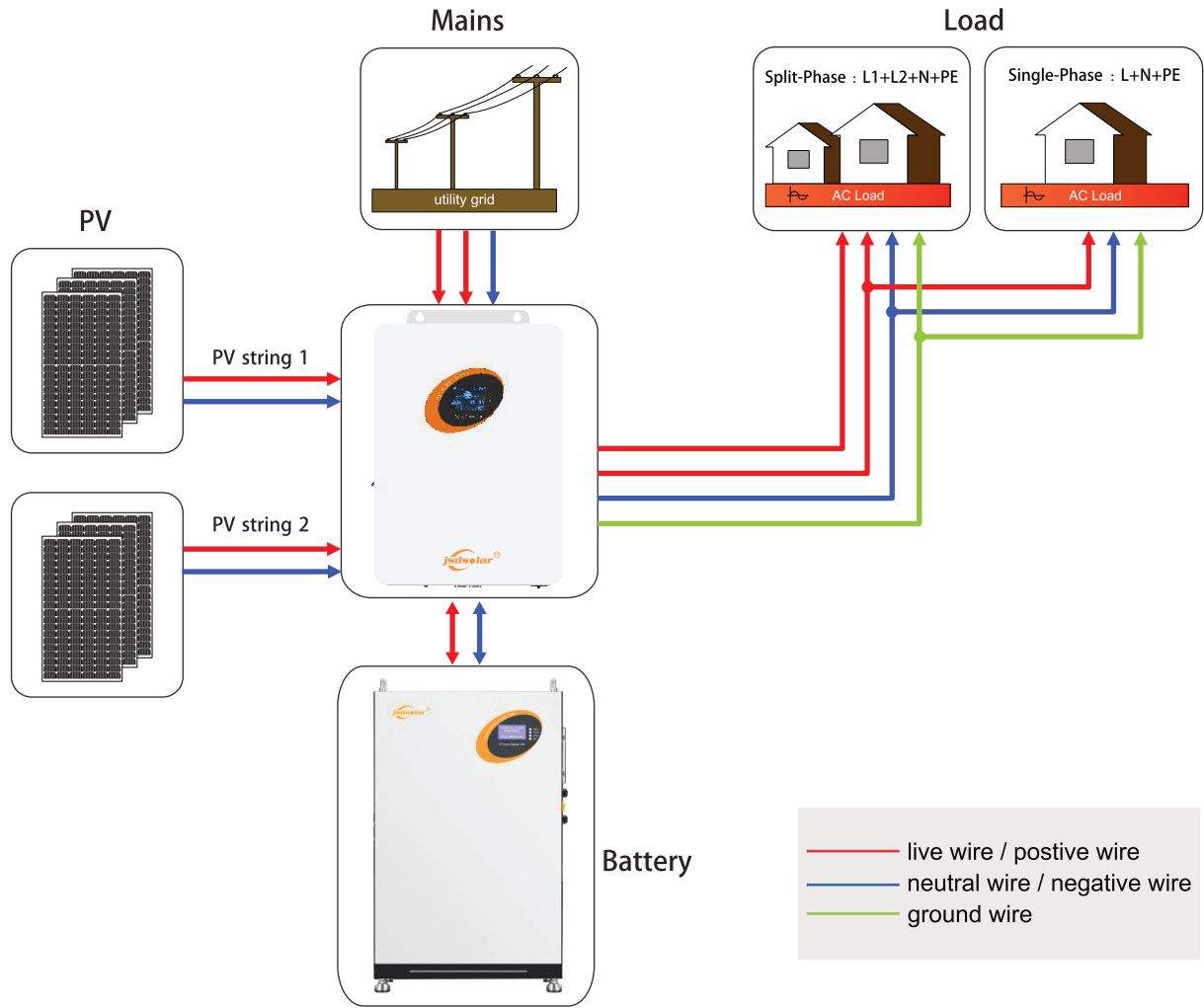
Intelligent

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

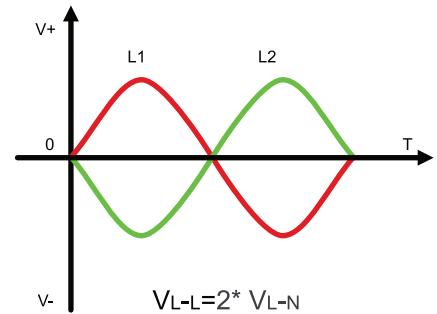
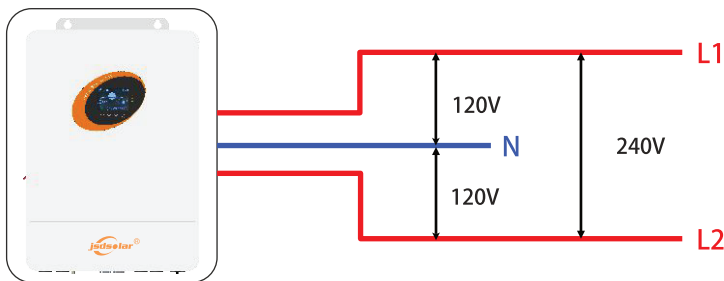
Technical Data

MODEL	JA8KL	JA10KL	CANBE SET
INVERTER OUTPUT			
Rated Output Power	8000W	10,000W	
Max. Peak Power	16,000W	20,000W	
Rated Output Voltage	120/240Vac(L1/L2/N/PE split phase)		Y
Load Capacity of Motors	5HP	6HP	
Rated AC Frequency	50/60Hz		Y
Waveform	Pure Sine Wave		
Switch Time	10ms(typical)		
Parallel capacity	/		
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	100A	120A	Y
Max. Hybrid Charging Current	180A	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	20kg(44lb)	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		

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