

OFF GRID HYBRID INVERTER

M Series 11 KW PV 60-500Vdc



Pure sine
wave



PV 60-500Vdc



Built-in WiFi



Dual MPPT



PF=1.0



Anti-shock
design terminal



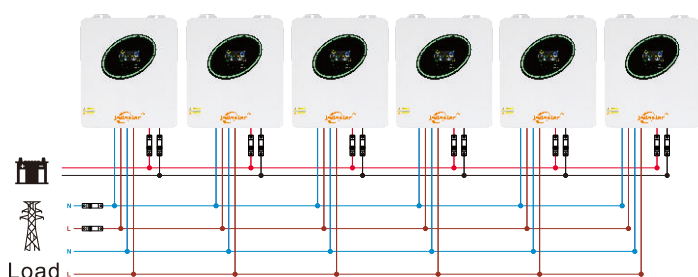
Lithium Battery
Activation



Rs232 Rs485



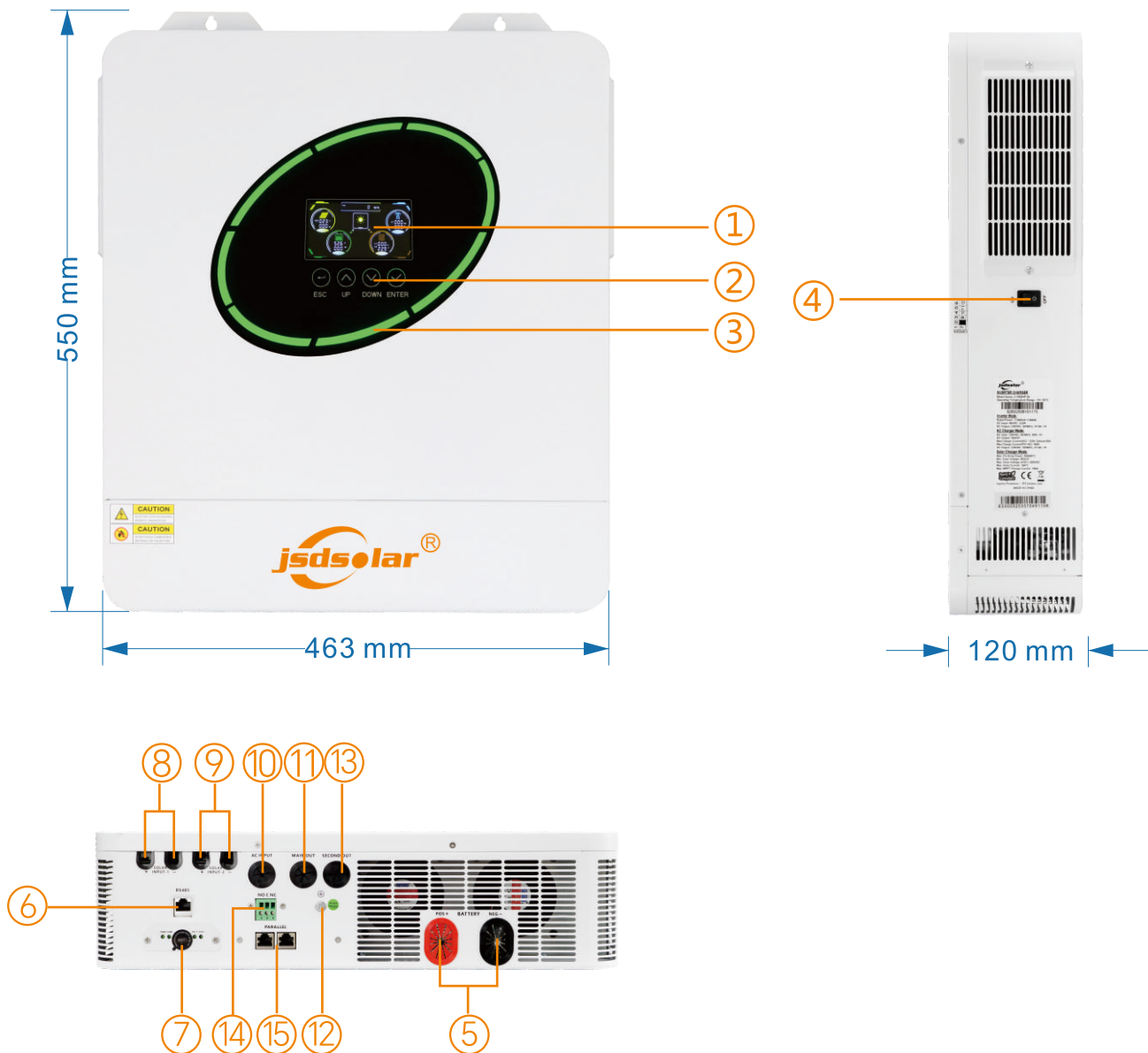
Parallel 6 Units Max



Features

- Built-in 2 MPPT
- Lithium battery activation function by PV or Utility
- Compatible work with LiFePO4 battery via Rs485
- Pure Sine Wave
- Power factor 1.0
- PV Input 500Vdc Max
- Built-in MPPT 140A/160A
- Capable to work without battery
- Detachable dust cover for harsh environment
- WiFi remote monitoring optional
- Support multiple output priority:
• SBU, SUB, SUF, OSO, SOF, SNU, SOR
- EQ function to optimize battery performance and extend life cycle

Product Overview

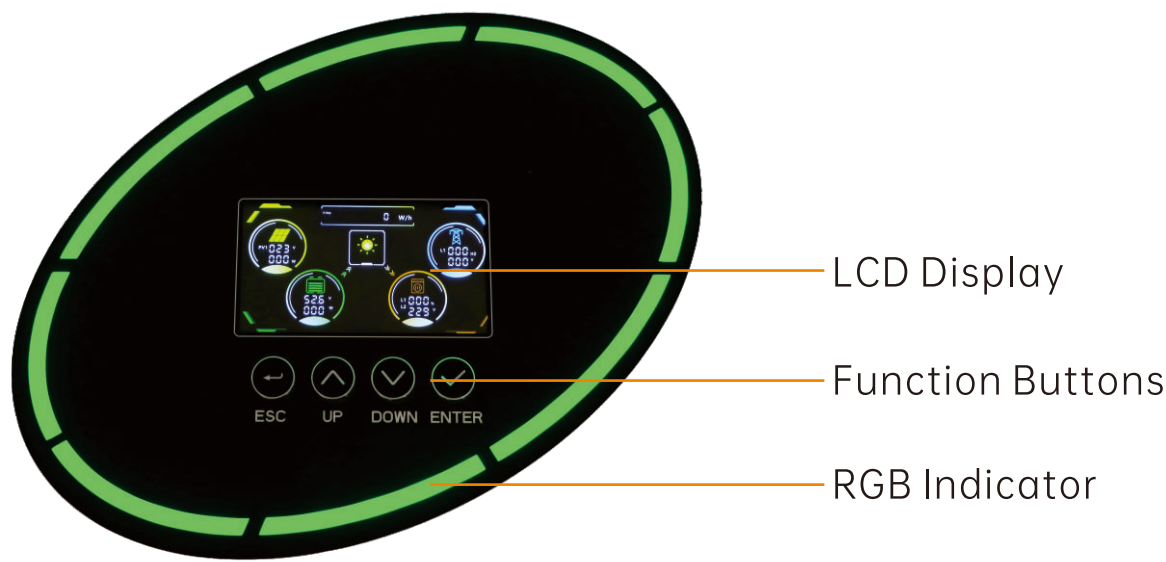


- | | |
|---|--|
| 1. LCD display | 10. AC input |
| 2. Function buttons | 11. Main out |
| 3. RGB Indicator | 12. Grounding |
| 4. Power on/off switch | 13. Second out |
| 5. Battery negative/ positive outlet hole | 14. Dry contact port |
| 6. RS485 communication port (Rj45) | 15. Parallel communication port
(only for parallel model) |
| 7. WiFi antenna port | |
| 8. PV1 input | |
| 9. PV2 input | |

Note: RS232 communication port (DB9) and RS232 communication port (Rj45) can't be used simultaneously, only one can be used at the same time

Operation and Display Panel

The operation and display panel, shown in below chart, is on the front panel of the inverter. It includes three indicators, four function keys and a LCD display, indicating the operating status and input/output power information



RGB Indicator

RGB Indicator (Default)			Messages
Inverter mode	Green	Solid On	Output is powered by battery or PV in battery mode Battery is fully charged or isn't charged.
		Flashing	Battery is charging with 2s-on and 1s-off
AC mode	Blue	Solid On	Output is powered by AC or PV in AC mode Battery is fully charged or isn't charged
		Flashing	Battery is charging with 2s-on and 1s-off
Standby mode	Cyan	Solid On	Battery is fully charged or isn't charged
		Flashing	Battery is charging with 2s-on and 1s-off
Fault mode	Red	Solid On	Fault occurs in the inverter.
Bypass mode	Purple	Solid On	Working in Ac mode without charging
Charging mode	Yellow	Solid On	Battery is fully charged, when switch is off
		Flashing	Battery is charging, when switch is off

Technical Data

MODEL		J11000HP-W
Capacity		11KVA/11KW
Maximum PV Input Power		11KW
Parallel Capability		Yes,6 units
Lithium Battery Activation		YES (By PV or Utility)
Lithium Battery Communication		YES (Rs485)
INPUT		
Nominal Voltage		230VAC
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)	
Frequency		50/60 Hz (Auto sensing)
OUTPUT		
Nominal Voltage		220/230/240VAC
Surge Power		22000VA
Frequency		50/60 Hz
Waveform		Pure Sine wave
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)	
Peak Efficiency		94%
Overload Protection	5s@> =140% load; 10.5s@101%~140% load	
Admissible Power Factor		0.6-1 (inductive or capacitive)
Grid-tie Operation		NO
BATTERY		
Battery Voltage		48VDC
Maximum Discharge Current		220A
Floating Charge Voltage		54VDC
Overcharge Protection		63VDC
Charging Method		CC/CV
SOLAR CHARGER & AC CHARGER		
Solar Charger TYPE		MPPT
Max. PV Array Power		5500W*2
Max. PV Array Open Circuit Voltage		500VDC
PV Array MPPT Voltage Range		60VDC~500VDC
Max. Solar Input Current		18A*2
Max. Solar Charge Current		160A
Max. AC Charge Current		120A
Max. Charge Current		160A
PHYSICAL		
Dimensions, D x W x H(mm)		550*463*120
Net Weight (Kgs)		16.1
Communication Interface		RS232/RS485/DRY CONTACT
LCD		YES
ENVIRONMENT		
Operating Temperature Range		-10°C to 50°C
Storage temperature		-15°C~ 60°C
Humidity		5% to 95% Relative Humidity (Non-condensing)

*Product specifications are subject to change without further notice.