

BSM Series

Input Power 6200W

6.2KW

IP54 Solar Inverters



Max. PV Input Power 9000W



Dual Outputs



PV 60-500Vdc



WiFi Standard

BMS

Lithium Battery Activation



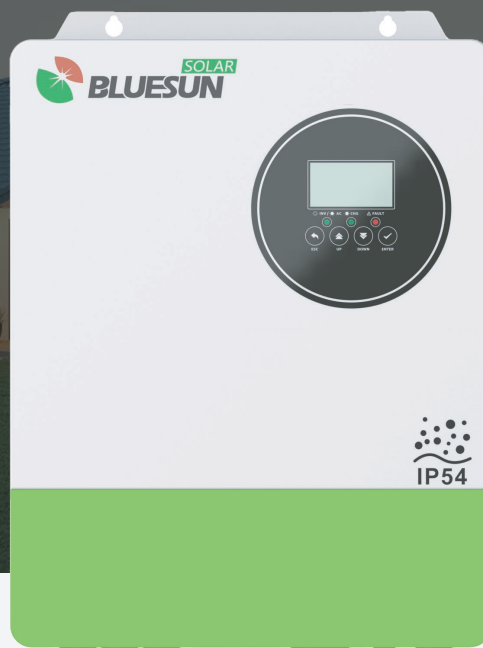
Ingress Protection IP54



Warranty 3 years



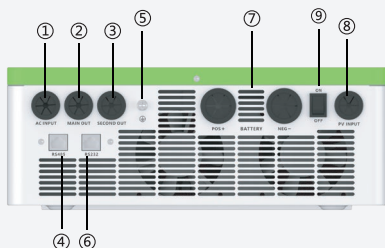
RS232 RS485



Features

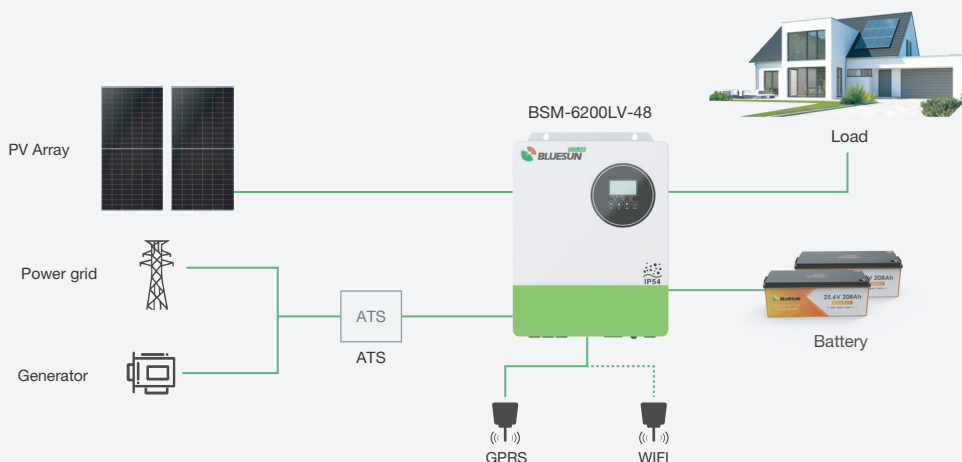
- IP54 design
- Dual output for smart load management
- Lithium battery activation function by PV or Utility
- Compatible work with LiFePO4 battery via RS485
- PV Input 500Vdc Max
- Built-in MPPT 120A
- Capable to work without battery
- Detachable dust cover for harsh environment
- WiFi remote monitoring optional
- Support multiple output priority: UTL, SOL, SBU, SUB
- EQ function to optimize battery performance and extend lifecycle

Bottom View



1. AC input
2. Main output
3. Second output
4. RS232 communication port
5. Grounding
6. RS485 communication port
7. Battery input
8. PV input
9. Power on / off switch

System Diagram





BSM-6200LV-48

Models

Capacity	6200VA/6200W
Parallel Capability	NO
Lithium Battery Activation	YES
Battery Wake-up Function	YES

AC INPUT

Nominal Voltage	230VAC
Acceptable Voltage Range	170-280VAC (For personal Computer); 90-280VAC (For Home Appliances)
Frequency	50/60 Hz (Auto sensing)

AC OUTPUT

Nominal Voltage	220/230VAC $\pm 5\%$
Surge Power	12400VA
Frequency	50/60 Hz
Waveform	Pure Sinewave
Transfer Time	10ms (For personal Computer); 20ms (For Home Appliances)
Peak Efficiency (PV to INV)	96%
Peak Efficiency (Battery to INV)	93%
Overload Protection	5s @ $\geq 140\%$ load; 10s @ 100%~140% load
Crest Factor	3:1
Admissible Power Factor	0.6~1 (inductive or capacitive)

BATTERY

Battery Voltage	48Vdc
Floating Charge Voltage	54Vdc
OverCharge Protection	63Vdc
Charging Method	CC/CV

SOLAR CHARGER & AC CHARGER

Solar Charger TYPE	MPPT
Max. PV Array Power	9000W
Max. PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	60VDC ~ 500VDC
Max. Solar Input Current	27A
Max. Solar Charge Current	120A
Max. AC Charge Current	120A
Max. Charge Current	120A

PHYSICAL

Dimensions, D x W x H (mm)	441*334*125.5
Package Dimensions, D x W x H (mm)	545*405*210
Net Weight (Kgs)	9
Gross Weight (Kgs)	10
Communication Interface	RS232 + RS485

ENVIRONMENT

Operating Temperature Range	-10°C ~ 55°C
Storage Temperature	-15°C ~ 60°C
Humidity	5% to 95% Relative Humidity (Non-condensing)
Enclosure Protection	IP54
Warranty	3 years

Note: Product specifications are subject to change without further notice.

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