

BSM Series

Input Power 11000W

11KW

IP54 Solar Inverters



Built-in 2 MPPT



Dual Outputs



PV 60-500Vdc



WiFi Standard

BMS

Lithium Battery Activation



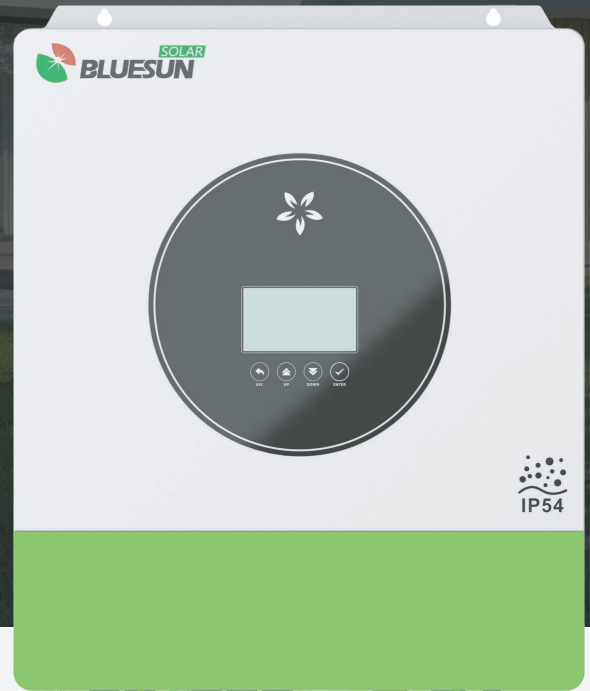
Ingress Protection IP54



Warranty 3 years



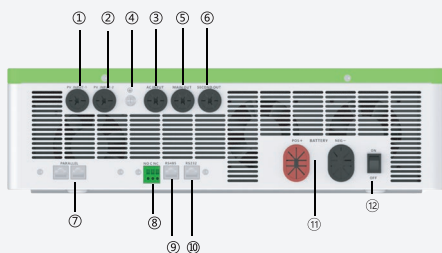
RS232 RS485



Features

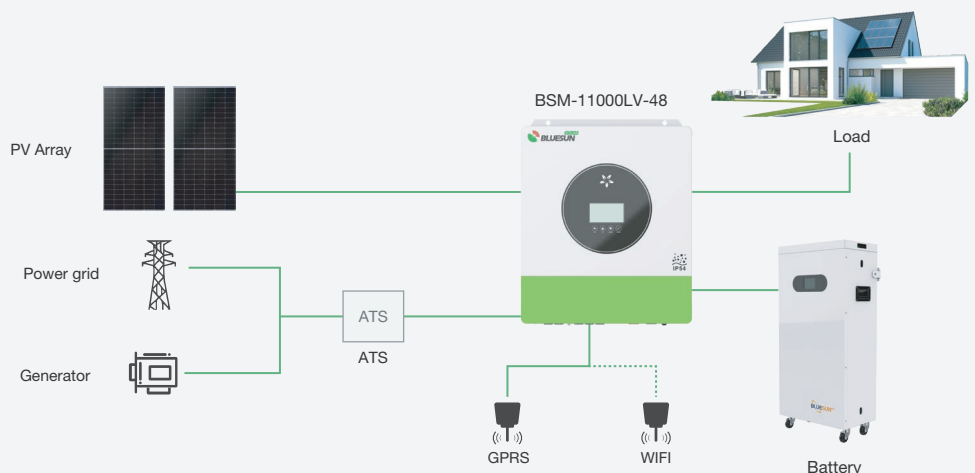
- IP54 design
- Dual AC output
- Built-in 2 MPPT
- Parallel max up to 6 units
- Lithium battery activation function by PV or Utility
- Pure Sine Wave
- Power factor 1.0
- PV Input 500Vdc Max
- Built-in MPPT 160A
- Capable to work without battery
- Detachable dust cover for harsh environment
- WIFI remote monitoring optional
- Support multiple output priority: SUB,SBU,SUF
- EQ function to optimize battery performance and extend lifecycle

Bottom View



- | | |
|---------------------|------------------------------|
| 1. Solar input - 1 | 7. Parallel |
| 2. Solar input - 2 | 8. Dry contact |
| 3. AC input | 9. RS485 communication port |
| 4. Grounding | 10. RS232 communication port |
| 5. AC Main output | 11. Battery input |
| 6. AC Second output | 12. Power on / off switch |

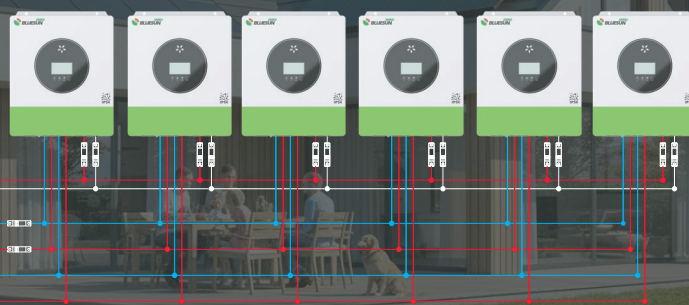
System Diagram



Power on / off switch

Parallel
6 Units Max

Load



BSM-11000BLV-48

Models

Capacity	11000VA/11000W
Parallel Capability	YES, 6units
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	22000VA
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	11000W(5500W*2)
Max. PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	60VDC ~ 500VDC
Max. Solar Input Current	27A*2
Max. Solar Charge Current	160A
Max. AC Charge Current	120A
Max. Charge Current	160A

PHYSICAL

Dimensions, D x W x H (mm)	567.8*470*134.5
Package Dimensions, D x W x H (mm)	675*555*220
Net Weight (Kgs)	18
Gross Weight (Kgs)	19
Communication Interface	RS232 + RS485+Dry contact

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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