

BSM Series

PV 60-500 Vdc

11KW

220V / 230Vac Output



MPPT

Dual MPPT



Dual Outputs



No Battery Mode



PF=1.0

BMS

Lithium Battery Activation



Parallel 6 units



PV 60-500VDC

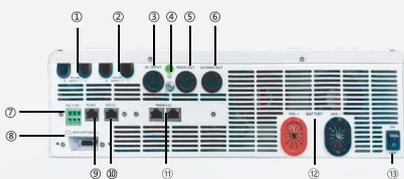


RS232 RS485

Features

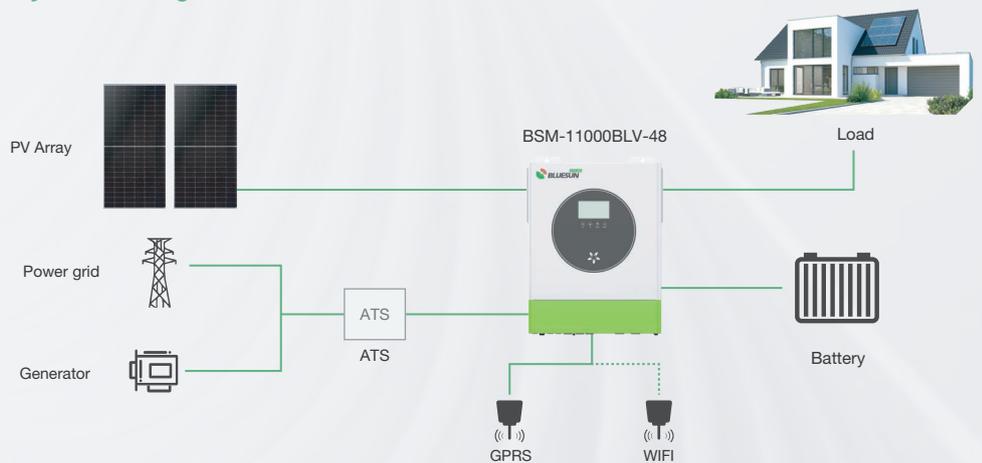
- Dual AC output
- Built-in 2 MPPT
- Parallel max up to 6 units
- lithium battery activation function by PV or Utility
- Compatible work with LiFePO4 battery via RS485
- Pure Sine Wave
- Power factor 1.0
- PV Input 500 Vdc Max
- The maximum pv charging current is 160A
- Capable to work without battery
- 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



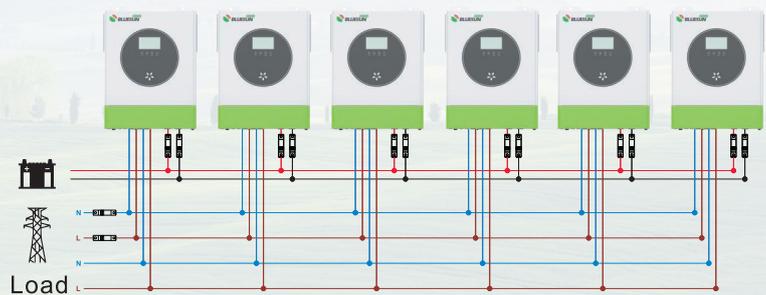
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|---------------------|------------------------------|
| 1. Solar input - 1 | 7. Dry contact |
| 2. Solar input - 2 | 8. WiFi (Optional) |
| 3. AC input | 9. RS485 communication port |
| 4. Grounding | 10. RS232 communication port |
| 5. AC Main output | 11. Parallel |
| 6. AC Second output | 12. Battery input |
| | 13. Power on / off switch |

System Diagram



Power on / off switch

Parallel 6 Units Max



MODEL	BSM-11000BLV-48
Capacity	11KVA/11KW
Maximum PV Input Power	11KW
Twin AC Output Function	YES
Maximum Main Output Power	11KVA/11KW
Maximum Second Output Power	5.5KVA / 5.5KW
Maximum Total Output Power	11KVA / 11KW
Parallel Capability	YES, 6 units
Lithium Battery Activation	YES(RS485)
Lithium battery Communication	YES(By PV or Utility)
Built-in WIFI	Optional
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 (PV to INV)	96%
Peak Efficiency (Battery to INV)	93%
Overload Protection	5s@ >=140% load; 10s@110%~140% load
Crest Factor	3:1
Admissible Power Factor	0.6~1 (inductive or capacitive)
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)	540*415*122
Net Weight (Kgs)	15.5
Communication Interface	RS232/RS485/Dry-contact
LCD	YES
ENVIRONMENT	
Operating Temperature Range	-10°C to 55°C
Storage temperature	-15°C~ 60°C
Humidity	5% to 95% Relative Humidity (Non-condensing)
Ingress Protection	IP21

*Product specifications are subject to change without further notice.

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