

BSM Series

3.5KW Hybrid Solar Inverter



BMS

Lithium Battery Activation



Output Multiple Priority



Anti-shock design terminal



High Efficiency



MPPT



PV 30-500VDC



Pure sine wave

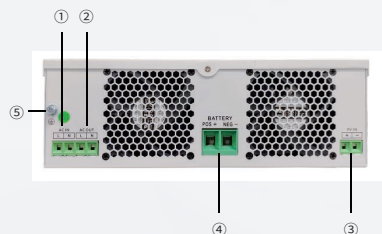


WIFI

Features

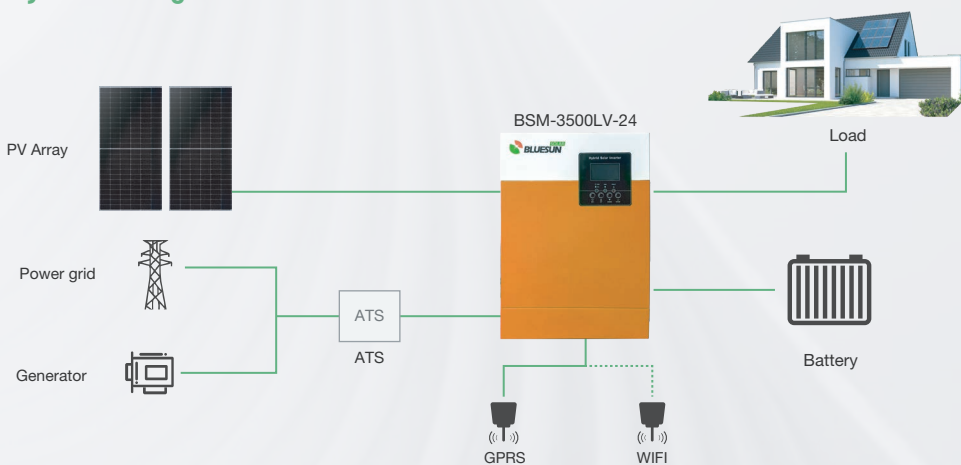
- Lithium battery activation function, which can be triggered by PV
- Pure Sine Wave
- PV Input 500Vdc Max
- Built-in MPPT 60A-100A
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional
- Support multiple output priority: UTL,SOL,SBU,SUB
- EQ function to optimize battery performance and extend lifecycle

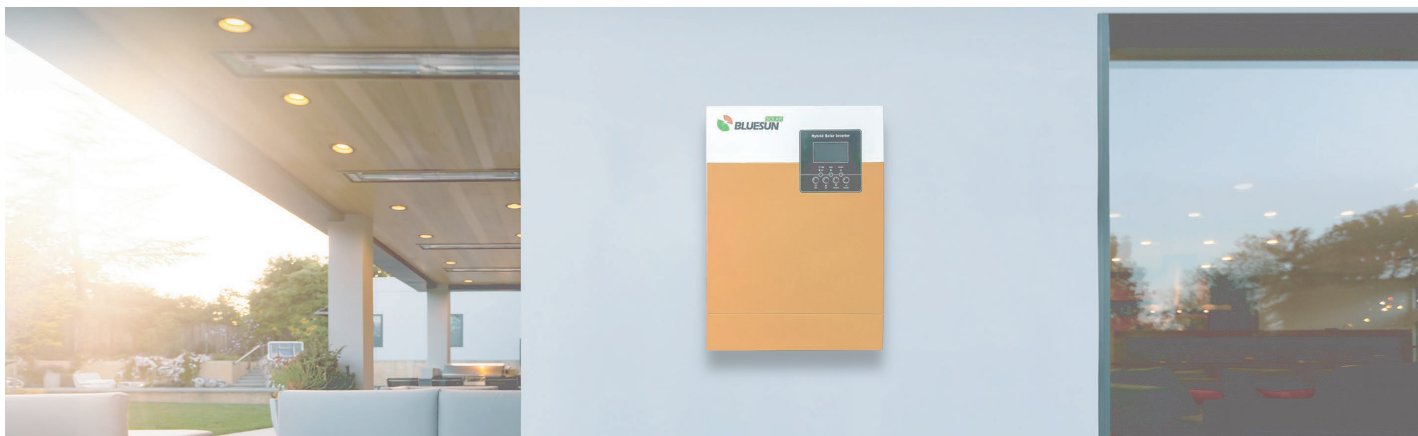
Bottom view



1. AC input
2. AC output
3. PV input
4. Battery input
5. Grounding

System Diagram





MODEL		BSM-3500LV-24
Capacity		3500KVA/3500W
Parallel Capability		NO
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		220/230VAC±5%
Surge Power		7000VA
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		24Vdc
Floating Charge Voltage		27Vdc
OverCharge Protection		33Vdc
Charging Method		CC/CV
SOLAR CHARGER & AC CHARGER		
Solar Charger TYPE		MPPT
Max.PV Array Power		4000W
Max. PV Array Open Circuit Voltage		500VDC
PV Array MPPT Voltage Range		60VDC~500VDC
Max. Solar Input Current		15A
Max. Solar Charge Current		100A
Max. AC Charge Current		80A
Max. Charge Current(AC+PV)		100A
PHYSICAL		
Dimensions, D x W x H(mm)		358*295*100
Package Dimensions, D x W x H(mm)		465*380*175
Net Weight (Kgs)		7
Communication Interface		RS232+RS485
ENVIRONMENT		
Operating Temperature Range		-10°C to 50°C
Storage temperature		-15°C~ 50°C
Humidity		5% to 95% Relative Humidity (Non-condensing)

*Product specifications are subject to change without further notice.

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