

BSE Series

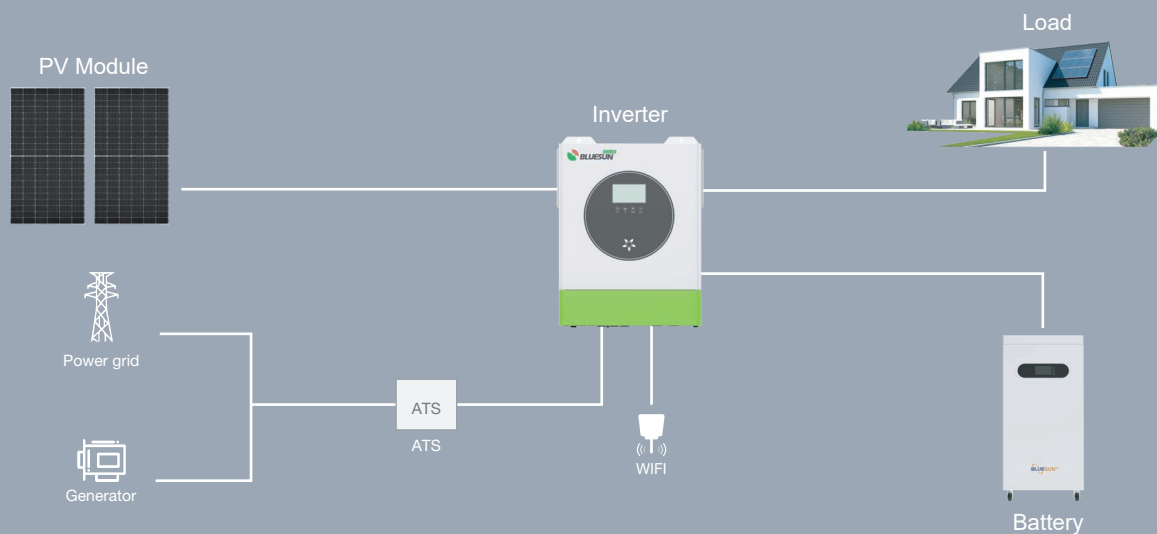
BSE-11KW-16KWh

Highlights:

- Bluesun provides the integrated system solution with one stop service.
- One unit 16kwh battery, most cost effective.
- Lithium battery and inverter communication match, running perfectly.



Product Topology:



ECONOMIC ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
BSE-11KW-16KWh 11700Wp/11kW/16kWh	PV Modules	BSM650G12-60HNH	pcs	18	9 PCS/string, 2 string
	Inverter	BSM-11000BLV-48	pcs	1	Communicate with battery
	Battery	BSM48314	pcs	1	Cables included
	Connector	MC4	pair	6	
	PV Cable	PV1-F 1*4mm ²	m	200	Half in red and half in black
	Moniting	WIFI module	pcs	1	Standard
	PV Mounting System	Mounting structures for 18 modules	set	1	

MODEL BSE-11KW-16KWh

System Parameter

AC Rated Power	11000W
Battery Capacity	16076.8Wh
AC Voltage	220/230V
Rated Grid Frequency	50/60Hz

Inverter Parameter

Model	BSM-11000BLV-48
Rated Power	11000W
Frequency	50/60 Hz
Nominal Voltage	220/230VAC
Peak Efficiency (PV to INV)	>96%
Max . PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	60~500VDC
Max . Solar Input Current	18A*2
Max . Charge Current	160A
Dimensions, D x W x H(mm)	540*415*122
Weight (Kgs)	15.5

Battery Parameter

Model	BSM48314
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	51.2
Nominal Capacity (WH)	16076.8
Voltage Range (V)	40~58.4
Max. Charge/Discharge Current(A)	200
Communicaiton	CAN/RS485
Dimensions, D x W x H(mm)	445*251*944
Weight (Kgs)	117.6
Design Life	10 years+ (25°C)
Cycle Life	>6000(0.5C@25°C, 80% DOD)

Environment

Operation Humidity Range	0~95% (no condensation)
Maximum Operation Altitude	2000m
Working Temperature	0°C~50°C Charge ; -10°C ~50°C Discharge
Shelf Temperature	-20°C~60°C