

BSE Series

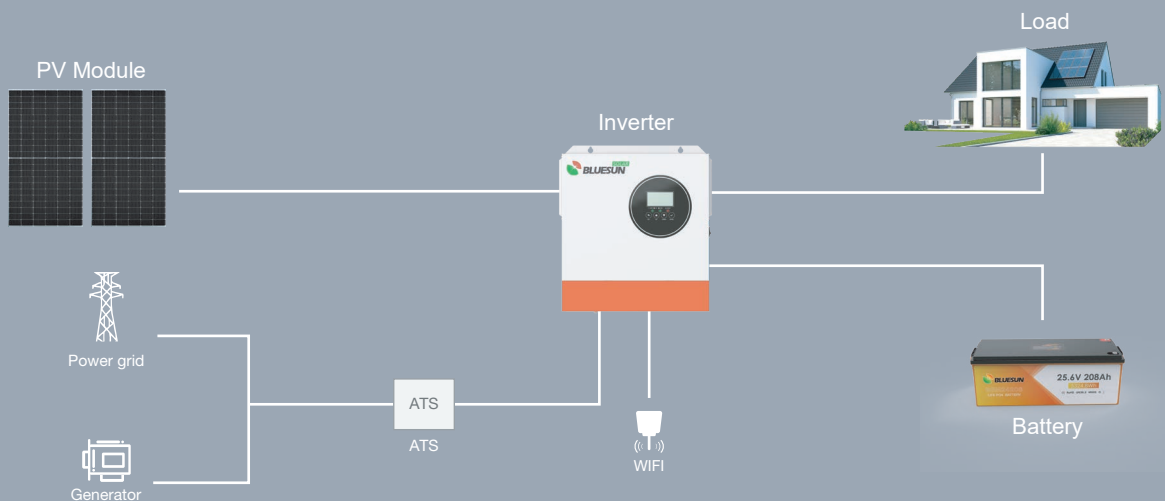
BSE-4.2KW-5.32KWh

Highlights:

- Bluesun provides the integrated system solution with one stop service.
- Optimal configuration, high cost performance ratio
- Lifepo4 battery, extra long life span



Product Topology:



ECONOMIC ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
BSE-4.2KW-5.32KWh 4550Wp/4.2kW/5324Wh	PV Modules	BSM650G12-60HNH	pcs	7	7PCS/string, 1string
	Inverter	BSM-4200LV-24	pcs	1	
	Battery	BSM24208	pcs	1	
	Connector	MC4	pair	3	
	PV Cable	PV1-F 1*4mm ²	m	100	
	Moniting	WIFI module	pcs	1	Standard
	PV Mounting System	Mounting structures for 7 modules	set	1	

MODEL BSE-4.2KW-5.32KWh

System Parameter

AC Rated Power	4200W
Battery Capacity	5324.8Wh
AC Voltage	220/230V
Rated Grid Frequency	50/60Hz

Inverter Parameter

Model	BSM-4200LV-24
Rated Power	4200W
Frequency	50/60 Hz
Nominal Voltage	220/230VAC
Peak Efficiency (PV to INV)	>94%
Max . PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	60~500VDC
Max . Solar Input Current	27A
Max . Charge Current	120A
Dimensions, D x W x H(mm)	371.8*342*116.5
Weight (Kgs)	7.9

Battery Parameter

Model	BSM24208
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	25.6
Nominal Capacity (WH)	5324.8
Voltage Range (V)	20~29.2
Max. Charge/Discharge Current(A)	200
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Dimensions, D x W x H(mm)	635*244*220.5
Weight (Kgs)	35.4
Design Life	5 years+
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