

BSI Series

BSI-150KW-321.5KWh

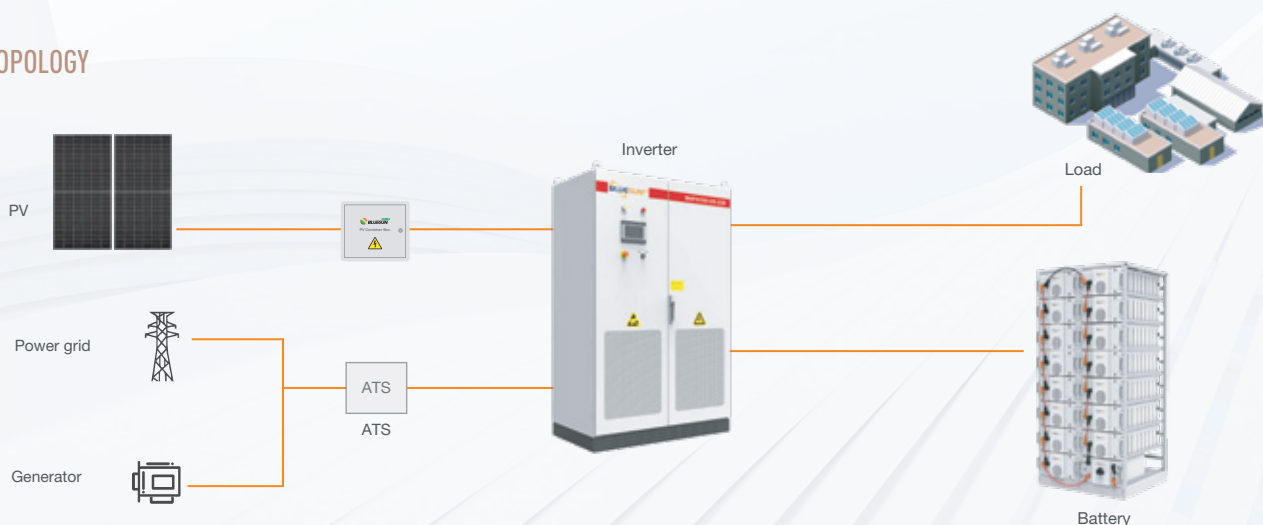
Industrial Energy Storage System Standard Proposal

PV Power	Equipment	Remark
BSI-150KW-321.5KWh	PV	176.8KWp
	Inverter	150KW
	Battery	321.5KWh

HIGHLIGHTS:

- Bluesun provides the integrated system solution with one stop service
- With multiple operating modes to meet customer needs
- Optimal configuration, high cost performance ratio
- Vailable with three-phase 220V or 480V AC output options.

PRODUCT TOPOLOGY



RESIDENTIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL					
PV Power	Equipment	Model	Unit	Quantity	Remark
BSC-150KW-321.5KWh 176.8KWp/150KW/321.5KWh	PV modules	BSM650G12-60HNH	pcs	272	17 pcs one string;total 16 strings
	PV combiner box	8 input 1output	pcs	2	1000V 20A each input breaker size
	Inverter	BHPS150-US	pcs	1	
	Batttery	BSM48314H	pcs	20	Cables included
	High voltage control box	BSMC-1000V-300A	pcs	2	BCU included
	Battery rack	6 layers	pcs	4	
	Connector	MC4	pair	10	
	PV cable	PV1-F 1*6mm²	m	1600	Half in red and half in black
	Moniting	WIFI module	pcs	1	Standard
	PV mounting system	Mounting structures for 272 modules	set	1	
MODEL			BSI-150KW-321.5KWh		
System Parameter					
AC rated power			150000W		
Battery capacity			321536Wh		
AC voltage			3P/400V		
Rated grid frequency			50/60Hz		
Inverter Parameter					
Model			BHPS150-US		
Rated power			165kVA /150kW		
Frequency			50/60 Hz		
Nominal Voltage			220V Wye		
Overload capability			110%-10min 120%-1min		
Max . PV Voltage			1000VDC		
PV Array MPPT Voltage Range			480V-800V DC		
MAX PV power			225KW		
Cooling			Forced-air		
Dimensions, D x W x H(mm)			1200*1900*800		
Weight (Kgs)			1200		
Battery Parameter					
Model			BSM48314H*20		
Battery Type			LiFePO4(LFP)		
Nominal Voltage (V)			51.2		
Nominal Capacity (WH)			16076.8*20		
Voltage Range (V)			44.8~57.6		
Max. Charge/Discharge Current(A)			280		
Communicaiton			RS485/CAN		
Weight (Kgs)			3307		
Design Life			10 years+		
Cycle Life			>6000 @25°C		
Environment					
Maximum operation altitude			4000m		
Working Temperature			0°C~ 50°C Charge ; -10°C~ 50°C Discharge		
Shelf Temperature			-20°C~ 60°C		