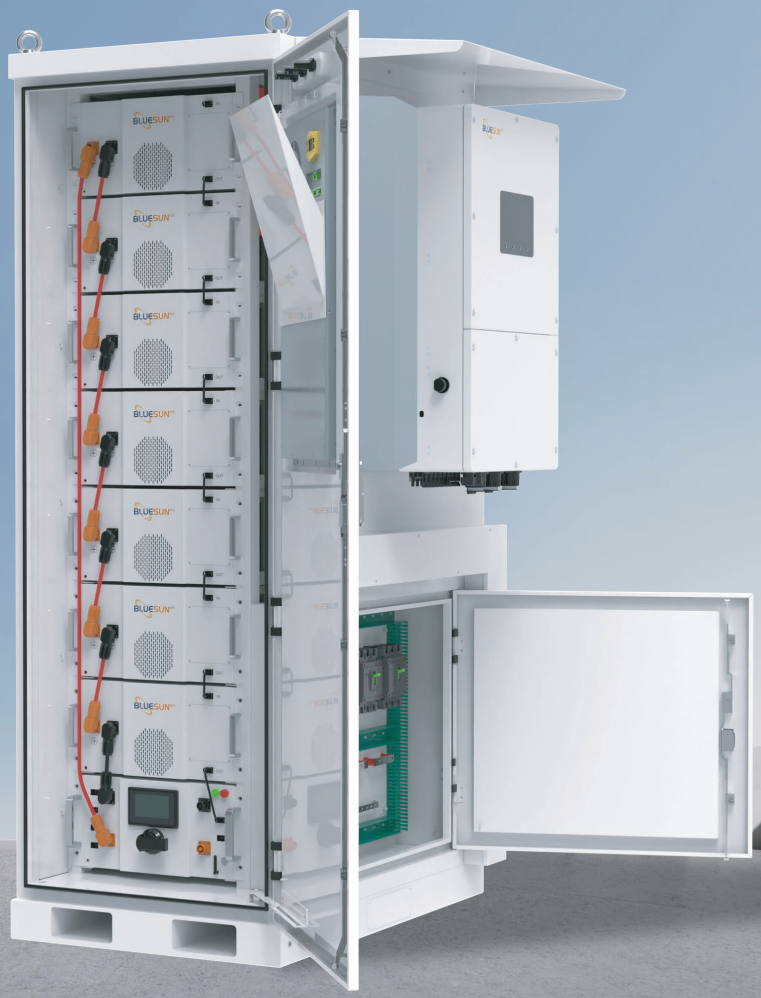
BLUESUN ESS

BSC-50KW/ 112.5KWh

Commercial Energy Storage System Standard Proposal



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COMMERCIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
BSC-50KW-112.5KWh	PV Modules	BSM610M10-72HNH	pcs	85	17pcs/string, 6string
	Inverter	BSE-50KH3	pcs	1	3/N/PE 230V/400V
	Batttery	BSM48314H	pcs	7	Power cable included
		Control Box	pcs	1	
		Battery Rack	pcs	1	1*8layers
	Connector	MC4	pair	20	
	PV Cable	PV1-F 1*4mm^2	m	600	
	Moniting	WIFI Module	pcs	1	Optional

MODEL	BSC-50KW/112.5KWh
System Parameter	
AC Rated Power	50kW
Battery Capacity	112.5kWh
AC Voltage	3/N/PE/230V/400V
Rated Grid Frequency	50/60Hz
Inverter Parameter	
Model	BSE-50KH3
Rated Power	50kVA /50kW
Frequency	50/60 Hz
Nominal Voltage	230/400VAC
Max. Efficiency	97.8%
Max. PV Voltage (V)	1000VDC
PV Array MPPT Voltage Range	150~850VDC
Max . Solar Input Current	40A/40A/40A/40A(4 MPPT)
Max. Short Current(A)	60A/60A/60A/60A(4 MPPT)
Dimensions, D x W x H(mm)	530*880*290mm
Weight (Kgs)	73
Battery Parameter	
Model	BSM48314H*7
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	358.4
Nominal Capacity (WH)	112.5
Voltage Range (V)	336~392
Max. Charge/Discharge Current(A)	150
Communicaiton	RS485/CAN
Weight (Kgs)	920kg
Design Life	10 years+
Cycle Life	>8000 @25°C
Environment	
Maximum Operation Altitude	4000m
Working Temperature	0°~ 50°C Charge ; -10°~ 50°C Discharge
Shelf Temperature	-20°~ 60°C

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