



XENON
ENERGY



XENON STORAGE SYSTEM

Standard Proposal

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BSR —SERIES—

Residential Energy Storage System Standard Proposal

- BSR-3.5KW-5.32KWh-Eco
- BSR-5.5KW-5.32KWh-Eco
- BSR-5.5KW-10.6KWh-Eco
- BSR-5.5KW- 5.4KWh
- BSR-5.5KW- 14.3KWh
- BSR-11KW- 10.6KWh - Eco
- BSR-11KW- 14.3KWh

BSR Series

BSR-3.5KW-5.32KWh-Eco

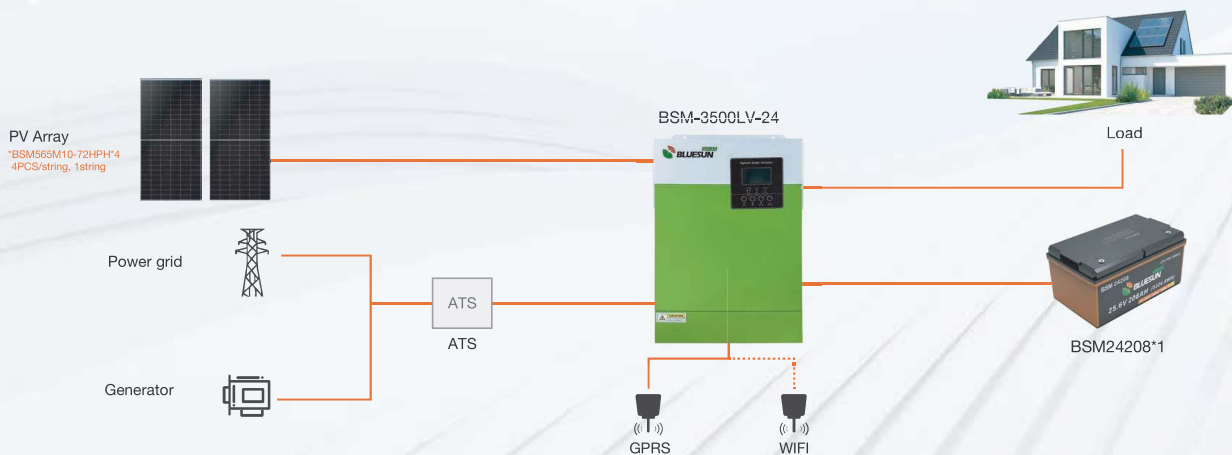
Residential energy storage system Standard Proposal

PV Power	Equipment	Remark
BSR-3.5KW-5.32KWh-Eco	PV	2260Wp
	Inverter	3.5KW
	Battery	5324Wh

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



RESIDENTIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
BSR-3.5KW-5.32KWh 2260Wp/3.5kW/5324Wh	PV modules	BSM565M10-72HPH	pcs	4	4PCS/string, 1string
	Inverter	BSM-3500LV-24	pcs	1	
	Battery	BSM24208	pcs	1	Power cable included
	Connector	MC4	pair	3	
	PV cable	PV1-F 1*4mm ²	m	75	
	Moniting	WIFI module	pcs	1	Optional

MODEL

BSR-3.5KW-5.32KWh-Eco

System Parameter

AC rated power	3500W
Battery capacity	5325Wh
Ac voltage	220/230V
Rated grid frequency	50/60Hz

Inverter Parameter

Model	BSM-3500LV-24
Rated power	3500W
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	30~500VDC
Max . Solar InputCurrent	15A
Max . Charge Current	100A
Dimensions, D x W x H(mm)	330*278*98
Weight (Kgs)	3.8

Battery Parameter

Model	BSM24208
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	25.6
Nominal Capacity (WH)	5325
Voltage Range (V)	20~29.2
Max. Charge/Discharge Current(A)	200
Communicaion	/
Dimensions, D x W x H(mm)	520*269*229
Weight (Kgs)	42
Design Life	5 years+
Cycle Life	>6000 @25°C

Environment

Operation humidity range	0~95% (no condensation)
Maximum operation altitude	2000m
Working Temperature	0°~ 50°C Charge ; -10°~ 50°C Discharge
Shelf Temperature	-20°~ 60°C

BSR Series

BSR-5.5KW-5.32KWh-Eco

Residential energy storage system Standard Proposal

PV Power	Equipment	Remark
BSR-5.5KW-5.32KWh-Eco	PV	3390Wp
	Inverter	5.5KW
	Battery	5324Wh

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



RESIDENTIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
BSR-5.5KW-5.3KWh 3390Wp/5.5kW/5324Wh	PV modules	BSM565M10-72HPH	pcs	6	6pcs/string, 1string
	Inverter	BSM-5500BLV-48	pcs	1	
	Battery	BSM24104	pcs	2	Cables included
	Connector	MC4	pair	4	
	PV cable	PV1-F 1*4mm ²	m	100	
	Moniting	WIFI module	pcs	1	Optional

MODEL

BSR-5.5KW-5.3KWh-Eco

System Parameter

AC rated power	5500W
Battery capacity	5325Wh
Ac voltage	220/230V
Rated grid frequency	50/60Hz

Inverter Parameter

Model	BSM-5500BLV-48
Rated power	5500W
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	30~500VDC
Max . Solar InputCurrent	18A
Max . Charge Current	100A
Dimensions, D x W x H(mm)	482*290*113
Weight (Kgs)	10

Battery Parameter

Model	BSM24104*2pcs
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	25.6*2
Nominal Capacity (WH)	2662*2
Voltage Range (V)	44.8~57.6
Max. Charge/Discharge Current(A)	100
Communicaion	/
Dimensions, D x W x H(mm)	415*251*206*2pcs
Weight (Kgs)	21*2pcs
Design Life	5 years+
Cycle Life	>6000 @25°C

Environment

Operation humidity range	0~95% (no condensation)
Maximum operation altitude	2000m
Working Temperature	0°~ 50°C Charge ; -10°~ 50°C Discharge
Shelf Temperature	-20°~ 60°C

BSR Series

BSR-5.5KW-10.6KWh-Eco

Residential energy storage system Standard Proposal

PV Power	Equipment	Remark
BSR-5.5KW-10.6KWh-Eco	PV	3390Wp
	Inverter	5.5KW
	Battery	10.6 KWh

HIGHLIGHTS:

- Bluesun provides the integrated system solution with one stop service
- Optimal configuration, high cost performance ratio
- Max support single phase 11kw output power
- Equipped with 10.6KWh lithium battery with sufficient backup power

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RESIDENTIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
BSR-5.5KW-5.4KWh 3390Wp/5.5kW/10.6kWh	PV modules	BSM565M10-72HPH	pcs	6	6pcs/string, 1string
	Inverter	BSM-5500BLV-48	pcs	1	
	Battery	BSM24208	pcs	2	Cables included
	Connector	MC4	pair	4	
	PV cable	PV1-F 1*4mm ²	m	100	
	Moniting	WIFI module	pcs	1	Optional

MODEL

BSR-5.5KW-10.6KWh-Eco

System Parameter

AC rated power	5500W
Battery capacity	10650Wh
Ac voltage	220/230V
Rated grid frequency	50/60Hz

Inverter Parameter

Model	BSM-5500BLV-48
Rated power	5500W
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	120~450VDC
Max . Solar InputCurrent	18A
Max . Charge Current	100A
Dimensions, D x W x H(mm)	482*290*113
Weight (Kgs)	10

Battery Parameter

Model	BSM24208*2pcs
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	25.6*2
Nominal Capacity (WH)	5325*2
Voltage Range (V)	44.8~57.6
Max. Charge/Discharge Current(A)	100
Communicaiton	/
Dimensions, D x W x H(mm)	520*269*229*2pcs
Weight (Kgs)	42*2pcs
Design Life	5 years+
Cycle Life	>6000 @25°C

Environment

Operation humidity range	0~95% (no condensation)
Maximum operation altitude	2000m
Working Temperature	0°~ 50°C Charge ; -10°~ 50°C Discharge
Shelf Temperature	-20°~ 60°C

BSR Series

BSR-5.5KW- 5.4KWh

Residential energy storage system Standard Proposal

PV Power	Equipment	Remark
BSR-5.5KW- 5.4KWh	PV	3390Wp
	Inverter	5.5KW
	Battery	5.4 KWh (128T-20T/100Ah)

HIGHLIGHTS:

- Bluesun provides the integrated system solution with one stop service
- Optimal configuration, high cost performance ratio
- Lithium battery and inverter communication matching



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RESIDENTIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
BSR-5.5KW-5.4KWh 3390Wp/5.5kW/ Wh	PV modules	BSM565M10-72HPH	pcs	6	6pcs/string, 1string
	Inverter	BSM-5500BLV-48	pcs	1	Communicate with battery
	Battery	BSM48106	pcs	1	Cables included
	Connector	MC4	pair	4	
	PV cable	PV1-F 1*4mm ²	m	100	
	Moniting	WIFI module	pcs	1	Optional

MODEL

BSR-5.5KW-5.4KWh-Eco

System Parameter

AC rated power	5500W
Battery capacity	5.42KWh
Ac voltage	220/230V
Rated grid frequency	50/60Hz

Inverter Parameter

Model	BSM-5500BLV-48
Rated power	5500W
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	120~450VDC
Max . Solar InputCurrent	18A
Max . Charge Current	100A
Dimensions, D x W x H(mm)	482*290*113
Weight (Kgs)	10

Battery Parameter

Model	BSM48106
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	51.2
Nominal Capacity (WH)	5427
Voltage Range (V)	44.8~57.6
Max. Charge/Discharge Current(A)	100
Communicaiton	Can/485
Dimensions, D x W x H(mm)	450*451*133
Weight (Kgs)	41.4
Design Life	5 years+
Cycle Life	>6000 @25°C

Environment

Operation humidity range	0~95% (no condensation)
Maximum operation altitude	2000m
Working Temperature	0°~ 50°C Charge ; -10°~ 50°C Discharge
Shelf Temperature	-20°~ 60°C

BSR Series

BSR-5.5KW-14.3KWh

Residential energy storage system Standard Proposal

PV Power	Equipment	Remark
BSR-5.5KW- 5.4KWh	PV	3390Wp
	Inverter	5.5KW
	Battery	14.3KWh (LBT-5V280AH)

HIGHLIGHTS:

- Bluesun provides the integrated system solution with one stop service
- one unit 14.3kwh battery, most cost effective
- Lithium battery and inverter communication match, running perfectly



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RESIDENTIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
BSR-5.5KW-14.3KWh 3390Wp/5.5kW/14.3kWh	PV modules	BSM565M10-72HPH	pcs	6	6pcs/string, 1string
	Inverter	BSM-5500BLV-48	pcs	1	Communicate with battery
	Battery	BSM48280	pcs	1	Cables included
	Connector	MC4	pair	4	
	PV cable	PV1-F 1*4mm ²	m	100	
	Moniting	WIFI module	pcs	1	Optional

MODEL

BSR-5.5KW-14.3KWh-Eco

System Parameter

AC rated power	5500W
Battery capacity	14336Wh
Ac voltage	220/230V
Rated grid frequency	50/60Hz

Inverter Parameter

Model	BSM-5500BLV-48
Rated power	5500W
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	120~450VDC
Max . Solar InputCurrent	18A
Max . Charge Current	100A
Dimensions, D x W x H(mm)	482*290*113
Weight (Kgs)	10

Battery Parameter

Model	BSM48280
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	51.2
Nominal Capacity (WH)	14336
Voltage Range (V)	44.8~57.6
Max. Charge/Discharge Current(A)	200
Communicaion	Can/485
Dimensions, D x W x H(mm)	440*254*891
Weight (Kgs)	118
Design Life	5 years+
Cycle Life	>6000 @25°C

Environment

Operation humidity range	0~95% (no condensation)
Maximum operation altitude	2000m
Working Temperature	0°~ 50°C Charge ; -10°~ 50°C Discharge
Shelf Temperature	-20°~ 60°C

BSR Series

BSR- 11KW- 10.6KWh - Eco

Residential energy storage system Standard Proposal

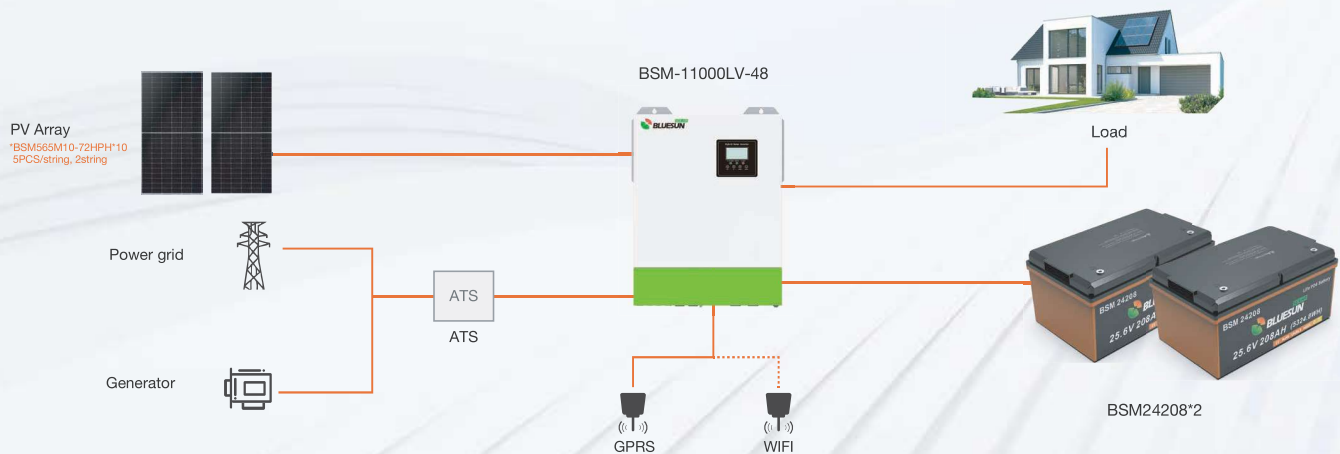
PV Power	Equipment	Remark
BSR- 11KW- 10.6KWh - Eco	PV	5.65KWp
	Inverter	11KW
	Battery	10.6KWh

HIGHLIGHTS:

- Bluesun provides the integrated system solution with one stop service
- Supports up to 11KW single-phase output
- Use lead-acid to replace batteries, which is cost-effective



PRODUCT TOPOLOGY



RESIDENTIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
BSR-11KW-10.6KWh 5.65kWp/11kW/10.6kWh	PV modules	BSM565M10-72HPH	pcs	10	5pcs/string, 2string
	Inverter	BSM-11000LV-48	pcs	1	Communicate with battery
	Battery	BSM24208	pcs	2	Cables included
	Connector	MC4	pair	8	
	PV cable	PV1-F 1*4mm ²	m	150	
	Moniting	WIFI module	pcs	1	Optional

MODEL

BSR-11KW-10.6KWh-Eco

System Parameter

AC rated power	11KW
Battery capacity	10.6KWh
Ac voltage	220/230V
Rated grid frequency	50/60Hz

Inverter Parameter

Model	BSM-11000LV-48
Rated power	11KW
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 InputCurrent	18A*2
Max . Charge Current	160A
Dimensions, D x W x H(mm)	540*415*122
Weight (Kgs)	15

Battery Parameter

Model	BSM24208*2
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	25.6*2
Nominal Capacity (WH)	5325*2
Voltage Range (V)	44.8~57.6
Max. Charge/Discharge Current(A)	200
Communicaiton	/
Dimensions, D x W x H(mm)	520*269*229**2pcs
Weight (Kgs)	42*2pcs
Design Life	5 years+
Cycle Life	>6000 @25°C

Environment

Operation humidity range	0~95% (no condensation)
Maximum operation altitude	2000m
Working Temperature	0°~ 50°C Charge ; -10°~ 50°C Discharge
Shelf Temperature	-20°~ 60°C

BSR Series

BSR- 11KW- 14.3KWh

Residential energy storage system Standard Proposal

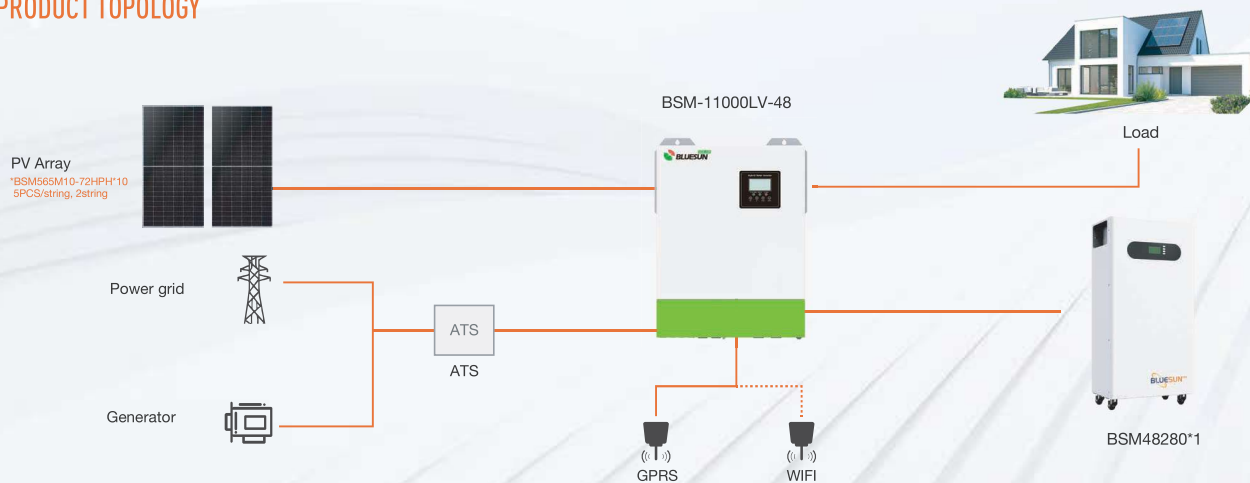
PV Power	Equipment	Remark
BSR- 11KW- 14.3KWh	PV	5.65kWp
	Inverter	11KW
	Battery	14.3KWh

HIGHLIGHTS:

- Bluesun provides the integrated system solution with one stop service
- Supports up to 11KW single-phase output
- Using 280Ah lithium battery with long backup time
- Optimal configuration , system cost effective



PRODUCT TOPOLOGY



RESIDENTIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
BSR-11KW-14.3KWh 5.65kWp/11kW/14.3kWh	PV modules	BSM565M10-72HPH	pcs	10	5pcs/string, 2string
	Inverter	BSM-11000LV-48	pcs	1	Communicate with battery
	Battery	BSM48280	pcs	1	Cables included
	Connector	MC4	pair	8	
	PV cable	PV1-F 1*4mm ²	m	150	
	Moniting	WIFI module	pcs	1	Optional

MODEL

BSR-11KW-14.3KWh

System Parameter

AC rated power	11KW
Battery capacity	14.3KWh
Ac voltage	220/230V
Rated grid frequency	50/60Hz

Inverter Parameter

Model	BSM-11000LV-48
Rated power	11KW
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 InputCurrent	18A*2
Max . Charge Current	160A
Dimensions, D x W x H(mm)	540*415*122
Weight (Kgs)	15

Battery Parameter

Model	BSM48280
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	51.2
Nominal Capacity (WH)	14336
Voltage Range (V)	44.8~57.6
Max. Charge/Discharge Current(A)	200
Communicaiton	Can/485
Dimensions, D x W x H(mm)	440*254*891
Weight (Kgs)	118
Design Life	5 years+
Cycle Life	>6000 @25°C

Environment

Operation humidity range	0~95% (no condensation)
Maximum operation altitude	2000m
Working Temperature	0°~ 50°C Charge ; -10°~ 50°C Discharge
Shelf Temperature	-20°~ 60°C

BSC —SERIES—

Commercial Energy Storage System Standard Proposal

- BSC - 12KW - 20.35KWh
- BSC - 30KW - 48.8KWh
- BSC - 50KW - 100.4KWh
- BSC - 100KW - 200.7KWh

BSC Series

BSC-12KW-20.35KWh

Commercial energy storage system Standard Proposal

PV Power	Equipment	Remark
BSC-12KW-20.35KWh	PV	7.91kWp
	Inverter	12KW
	Battery	20.35KWh (L151.2V/100Ah, 1 Rack)

HIGHLIGHTS:

- Bluesun provides the integrated system solution with one stop service
- Supports up to 12KW three-phase output
- Using stacked lithium batteries, easy to install
- Reasonable configuration and high cost performance ratio



PRODUCT TOPOLOGY



COMMERCIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
BSC-12KW-20.35KWh 7.91kWp/12kW/20.35kWh	PV modules	BSM565M10-72HPH	pcs	14	14pcs/string, 1string
	Inverter	BSE-12KH3	pcs	1	3P/400V
	Battery	BSM48106HP	pcs	4	Power cable included
		Control Box	pcs	1	
	Connector	MC4	pair	4	
	PV cable	PV1-F 1*4mm ²	m	200	
	Moniting	WIFI module	pcs	1	Optional

MODEL

BSC-12KW-20.35KWh

System Parameter

AC rated power 12kW

Battery capacity 20.35kWh

AC voltage 3P/400V

Rated grid frequency 50/60Hz

Inverter Parameter

Model BSE-12KH3

Rated power 12kVA /12kW

Frequency 50/60 Hz

Nominal Voltage 230/400VAC

Max. Efficiency 98.30%

Max. PV Voltage (V) 1000VDC

PV Array MPPT Voltage Range 130~700VDC

Max. Solar Input Current 25A

Max. Short Current(A) 25A

Dimensions, D x W x H(mm) 516*427*183.5

Weight (Kgs) 26

Battery Parameter

Model BSM48106HP*4

Battery Type LiFePO₄(LFP)

Nominal Voltage (V) 51.2

Nominal Capacity (WH) 5427

Voltage Range (V) 44.8~57.6

Max. Charge/Discharge Current(A) 100

Communicaiton RS485/RS232/CAN

Weight (Kgs) 220

Design Life 10 years+

Cycle Life >6000 @25°C

Environment

Maximum operation altitude 4000m

Working Temperature 0°~ 50°C Charge ; -10°~ 50°C Discharge

Shelf Temperature -20°~ 60°C

BSC Series

BSC-30KW-48.8KWh

Commercial energy storage system Standard Proposal

PV Power	Equipment	Remark
BSC-30KW-48.8KWh	PV	23.7kWp
	Inverter	30KW
	Battery	48.8KWh (12851.20V100Ah, 1 Rack)

HIGHLIGHTS:

- Bluesun provides the integrated system solution with one stop service
- Supports up to 30KW three-phase output
- The entire system has been fully tested and works perfectly
- Optimal configuration, high cost performance ratio



PRODUCT TOPOLOGY



COMMERCIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
BSC-30KW-48.8KWh 23.7kWp/30kW/48.8kWh	PV modules	BSM565M10-72HPH	pcs	42	14pcs/string, 3string
	Inverter	BSE-30KH3	pcs	1	3P/400V
	Battery	BSM48106H	pcs	9	Power cable included
		Control Box	pcs	1	
		Battery Rack	pcs	1	2*5layers
	Connector	MC4	pair	4	
	PV cable	PV1-F 1*4mm ²	m	300	
	Moniting	WIFI module	pcs	1	Optional

MODEL

BSC-30KW-48.8KWh

System Parameter

AC rated power	30kW
Battery capacity	48.8kWh
AC voltage	3P/400V
Rated grid frequency	50/60Hz

Inverter Parameter

Model	BSE-30KH3
Rated power	30kVA /30kW
Frequency	50/60 Hz
Nominal Voltage	230/400VAC
Max. Efficiency	98.50%
Max. PV Voltage (V)	1000VDC
PV Array MPPT Voltage Range	150~850VDC
Max. Solar Input Current	40A
Max. Short Current(A)	60A
Dimensions, D x W x H(mm)	558*535*260
Weight (Kgs)	26

Battery Parameter

Model	BSM48106H*9
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	51.2
Nominal Capacity (WH)	5427
Voltage Range (V)	44.8~57.6
Max. Charge/Discharge Current(A)	100
Communicaiton	RS485/CAN
Weight (Kgs)	453.5
Design Life	10 years+
Cycle Life	>6000 @25°C

Environment

Maximum operation altitude	4000m
Working Temperature	0°~ 50°C Charge ; -10°~ 50°C Discharge
Shelf Temperature	-20°~ 60°C

BSC Series

BSC-50KW-100.4KWh

Commercial energy storage system Standard Proposal

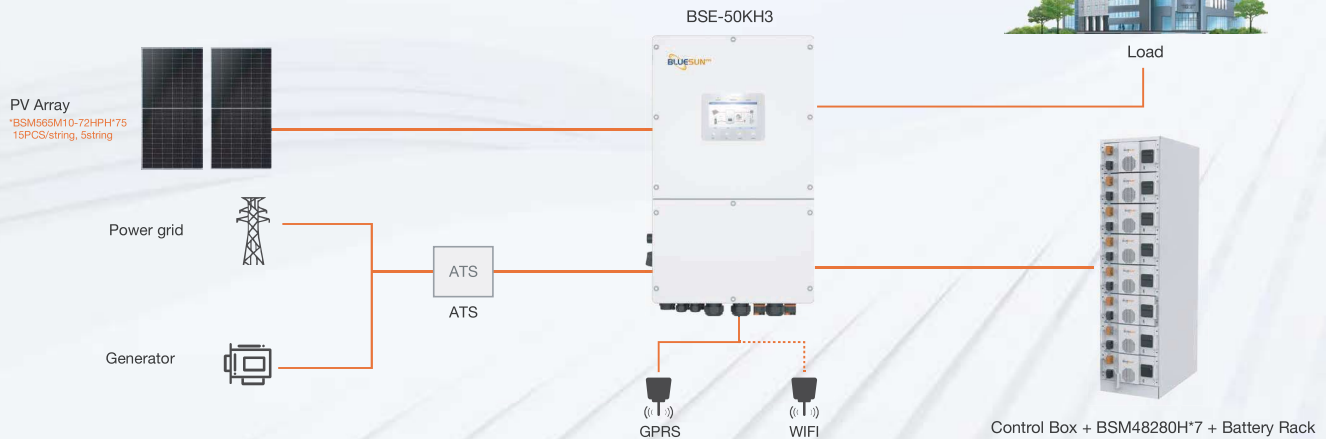
PV Power	Equipment	Remark
BSC-50KW-100.4KWh	PV	42.4kWp
	Inverter	50KW
	Battery	100.4KWh (10751.0V280Ah, 1 Rack)



HIGHLIGHTS:

- Bluesun provides the integrated system solution with one stop service
- Supports up to 50KW three-phase output
- The entire system has been fully tested and works perfectly
- Optimal configuration, high cost performance ratio

PRODUCT TOPOLOGY



COMMERCIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
BSC-50KW-100.4KWh 42.4kWp/50kW/100.4kWh	PV modules	BSM565M10-72HPH	pcs	75	15pcs/string, 5string
	Inverter	BSE-50KH3	pcs	1	3P/400V
	Battery	BSM48280H	pcs	7	Power cable included
		Control Box	pcs	1	
		Battery Rack	pcs	1	1*8layers
	Connector	MC4	pair	4	
	PV cable	PV1-F 1*4mm ²	m	500	
	Moniting	WIFI module	pcs	1	Optional

MODEL

BSC-50KW-100.4KWh

System Parameter

AC rated power	50kW
Battery capacity	100.4kWh
AC voltage	3P/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	97.80%
Max. PV Voltage (V)	1000VDC
PV Array MPPT Voltage Range	150~850VDC
Max . Solar Input Current	40A
Max. Short Current(A)	60A
Dimensions, D x W x H(mm)	290*530*880
Weight (Kgs)	73

Battery Parameter

Model	BSM48280H*7
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	51.2
Nominal Capacity (WH)	14336
Voltage Range (V)	44.8~57.6
Max. Charge/Discharge Current(A)	280
Communicaiton	RS485/CAN
Weight (Kgs)	930.4
Design Life	10 years+
Cycle Life	>6000 @25°C

Environment

Maximum operation altitude	4000m
Working Temperature	0°~ 50°C Charge ; -10°~ 50°C Discharge
Shelf Temperature	-20°~ 60°C

BSC Series

BSC-100KW-200.7KWh

Commercial energy storage system Standard Proposal

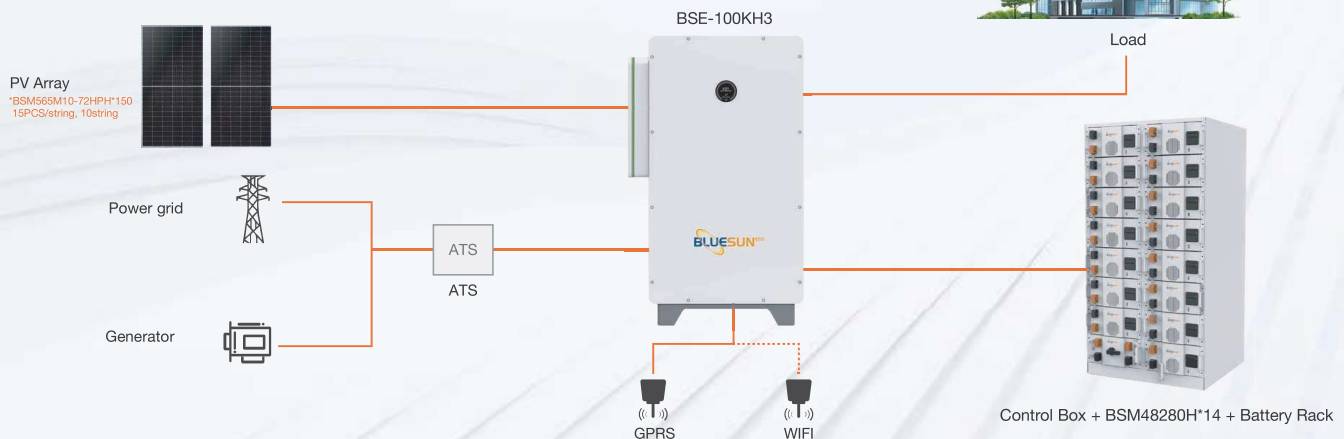
PV Power	Equipment	Remark
BSC-100KW-200.7KWh	PV	84.8kWp
	Inverter	100KW
	Battery	200.7KWh (100*200.7KWh/1000V)

HIGHLIGHTS:

- Bluesun provides the integrated system solution with one stop service
- Supports up to 100KW three-phase output
- The entire system has been fully tested and works perfectly
- Optimal configuration, high cost performance ratio



PRODUCT TOPOLOGY



COMMERCIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
BSC-100KW-200.7KWh 84.8kWp/100kW/200.7kWh	PV modules	BSM565M10-72HPH	pcs	150	15pcs/string, 10string
	Inverter	BSE-100KH3	pcs	1	3P/400V
	Battery	BSM48280H	pcs	14	Power cable included
		Control Box	pcs	1	BAU included
		Battery Rack	pcs	1	2*8layers
	Connector	MC4	pair	4	
	PV cable	PV1-F 1*4mm ²	m	1000	
	Moniting	WIFI module	pcs	1	Optional

MODEL

BSC-100KW-200.7KWh

System Parameter

AC rated power	100kW
Battery capacity	200.7kWh
AC voltage	3P/400V
Rated grid frequency	50/60Hz

Inverter Parameter

Model	BSE-100KH3
Rated power	100kVA /100kW
Frequency	50/60 Hz
Nominal Voltage	230/400VAC
Max. Efficiency	98.20%
Max. PV Voltage (V)	1100VDC
PV Array MPPT Voltage Range	180~800VDC
Max . Solar Input Current	32A
Max. Short Current(A)	40A
Dimensions, D x W x H(mm)	510*820*1350
Weight (Kgs)	160

Battery Parameter

Model	BSM48280H*14
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	51.2
Nominal Capacity (WH)	14336
Voltage Range (V)	44.8~57.6
Max. Charge/Discharge Current(A)	280
Communicaiton	RS485/CAN
Weight (Kgs)	1744.5
Design Life	10 years+
Cycle Life	>6000 @25°C

Environment

Maximum operation altitude	4000m
Working Temperature	0°~ 50°C Charge ; -10°~ 50°C Discharge
Shelf Temperature	-20°~ 60°C

BSI — SERIES —

Industrial Energy Storage System Standard Proposal

- BSI - 100KW- 200.7KWh
- BSI - 150KW- 286.7KWh
- BSI - 250KW- 473KWh
- BSI - 500KW - 946KWh

BSI Series

BSI-100KW-200.7KWh

Industrial Energy Storage System Standard Proposal

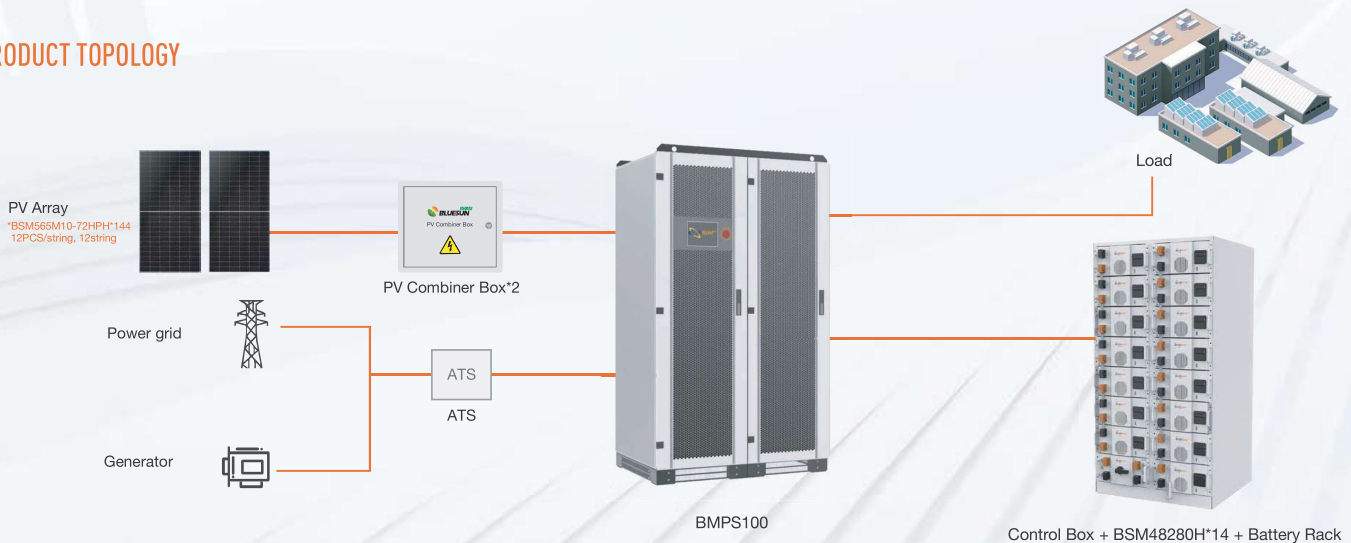
PV Power	Equipment	Remark
BSI-100KW-200.7KWh	PV	81.4kWp
	Inverter	100KW
	Battery	200.7KWh (LC4451.PV/100Ah, 1 Rack)



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

PRODUCT TOPOLOGY



INDUSTRIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
BSI-100KW-200.7KWh 81.4kWp/100kW/200.7kWh	PV modules	BSM565M10-72HPH	pcs	144	12pcs/string, 12string
	PV Combiner Box	6 Inputs 1 Output	pcs	2	6 Inputs 1 Output
	Inverter	BMPS100	pcs	1	3P/400V
	Battery	BSM48280H	pcs	14	51.2V/280Ah
		Control Box	pcs	1	BCU included
		Battery Rack	pcs	1	
	Connector	MC4	pair	45	
	PV cable	PV1-F 1*4mm ²	m	1200	
	EMS	BR3000	pcs	1	Optional

MODEL

BSI-100KW-200.7KWh

System Parameter

AC rated power	100kW
Battery capacity	200.7kWh
AC voltage	3P/400V
Rated grid frequency	50/60Hz

Inverter Parameter

Model	BMPS100
Rated power	100kVA /100kW
Frequency	50/60 Hz
Nominal Voltage	230/400VAC
Overload capability	110%-10min120%-1min
Max. PV Voltage (V)	1000VDC
PV Array MPPT Voltage Range	250~850VDC
Max PV power	120/180/240KW
Cooling	Forced-air
Dimensions, D x W x H(mm)	800*1200*2050
Weight (Kgs)	1120

Battery Parameter

Model	BSM48280H*14
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	51.2
Nominal Capacity (WH)	14336
Voltage Range (V)	44.8~57.6
Max. Charge/Discharge Current(A)	280
Communicaiton	RS485/CAN
Weight (Kgs)	1744.5
Design Life	10 years+
Cycle Life	>6000 @25°C

Environment

Maximum operation altitude	4000m
Working Temperature	0°~ 50°C Charge ; -10°~ 50°C Discharge
Shelf Temperature	-20°~ 60°C

BSI Series

BSI-150KW-286.7KWh

Industrial Energy Storage System Standard Proposal

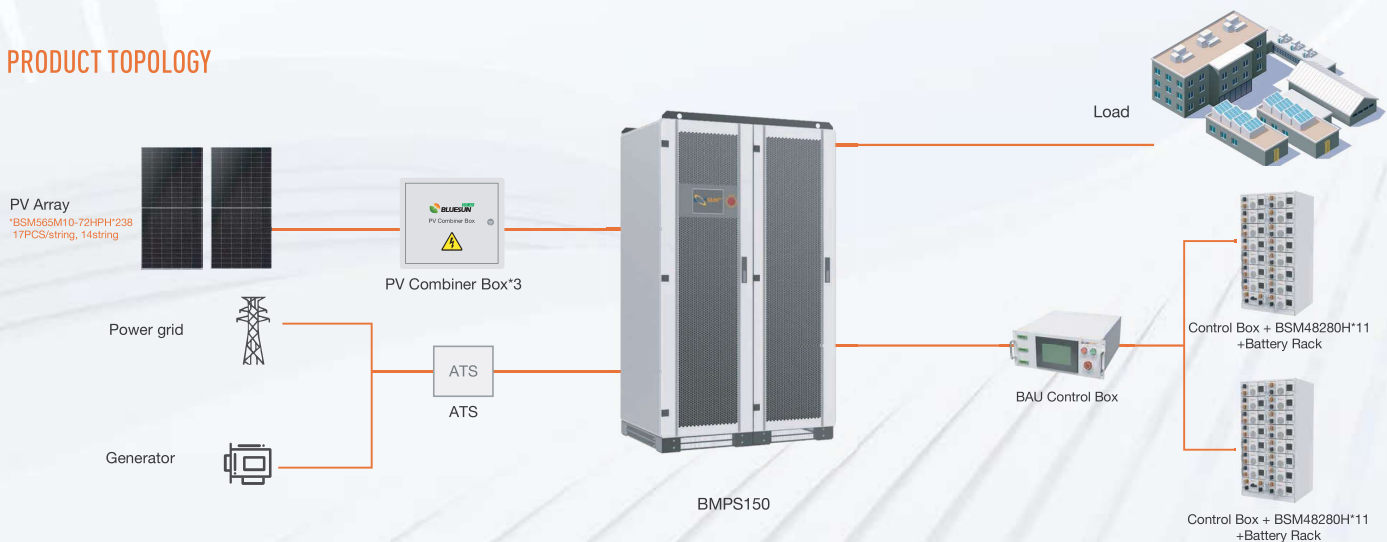
PV Power	Equipment	Remark
BSI-150KW-286.7KWh	PV	134.5kWp
	Inverter	150KW
	Battery	286.7KWh (U2P51-20/100Ah, 2 Racks)



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

PRODUCT TOPOLOGY



INDUSTRIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
BSI-150KW-286.7KWh 134.5kWp/150kW/286.7kWh	PV modules	BSM565M10-72HPH	pcs	238	17pcs/string, 14string
	PV Combiner Box	5 Inputs 1 Output	pcs	3	5 Inputs 1 Output
	Inverter	BMPS150	pcs	1	3P/400V
	Battery	BSM48280H	pcs	22	51.2V/280Ah
		Control Box	pcs	2	BCU included
		Battery Rack	pcs	2	2*6 layers
		BAU Control Box	pcs	1	BAU included
	Connector	MC4	pair	55	
	PV cable	PV1-F 1*4mm ²	m	1500	
	EMS	BR3000	pcs	1	Optional

MODEL

BSI-150KW-286.7KWh

System Parameter

AC rated power	150kW
Battery capacity	286.7kWh
AC voltage	3P/400V
Rated grid frequency	50/60Hz

Inverter Parameter

Model	BMPS150
Rated power	150kVA /150kW
Frequency	50/60 Hz
Nominal Voltage	230/400VAC
Overload capability	110%-10min120%-1min
Max. PV Voltage (V)	1000VDC
PV Array MPPT Voltage Range	250~850VDC
Max PV power	120/180/240KW
Cooling	Forced-air
Dimensions, D x W x H(mm)	800*1200*2050
Weight (Kgs)	1150

Battery Parameter

Model	BSM48280H*22
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	51.2
Nominal Capacity (WH)	14336
Voltage Range (V)	44.8~57.6
Max. Charge/Discharge Current(A)	280
Communication	RS485/CAN
Weight (Kgs)	2791.2
Design Life	10 years+
Cycle Life	>6000 @25°C

Environment

Maximum operation altitude	4000m
Working Temperature	0°~ 50°C Charge ; -10°~ 50°C Discharge
Shelf Temperature	-20°~ 60°C

BSI Series

BSI-250KW-473KWh

Industrial Energy Storage System Standard Proposal

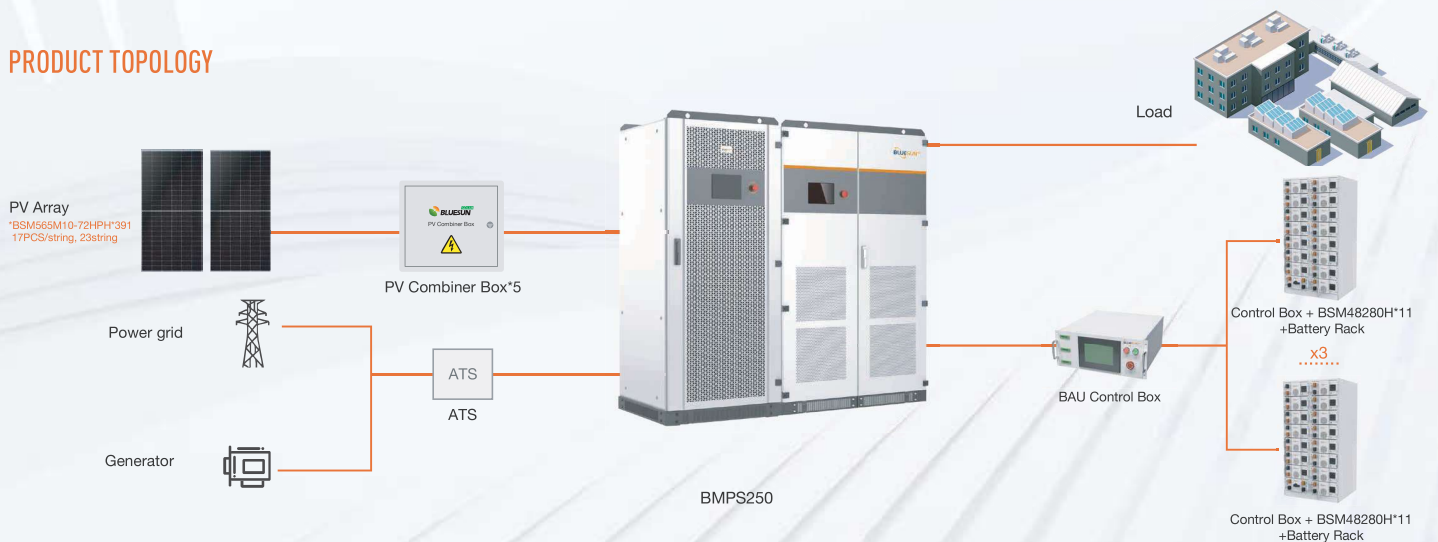
PV Power	Equipment	Remark
BSI-250KW-473KWh	PV	220.9kWp
	Inverter	250KW
	Battery	473KWh (1UG2551.2V/100Ah, 3 Rack)

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



PRODUCT TOPOLOGY



INDUSTRIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
BSI-250KW-473KWh 220.9kWp/250kW/473kWh	PV modules	BSM565M10-72HPH	pcs	391	17pcs/string, 23string
	PV Combiner Box	5 Inputs 1 Output	pcs	5	5 Inputs 1 Output
	Inverter	BMPS250	pcs	1	3P/400V
	Battery	BSM48280H	pcs	33	51.2V/280Ah
		Control Box	pcs	3	BCU included
		Battery Rack	pcs	3	2*6 layers
		BAU Control Box	pcs	1	BAU included
	Connector	MC4	pair	92	
	PV cable	PV1-F 1*4mm ²	m	2300	
	EMS	BR3000	pcs	1	Optional

MODEL

BSI-250KW-473KWh

System Parameter

AC rated power	250kW
Battery capacity	473kWh
AC voltage	3P/400V
Rated grid frequency	50/60Hz

Inverter Parameter

Model	BMPS250
Rated power	250kVA /250kW
Frequency	50/60 Hz
Nominal Voltage	230/400VAC
Overload capability	110%-10min120%-1min
Max. PV Voltage (V)	1000VDC
PV Array MPPT Voltage Range	250~850VDC
Max PV power	300/360KW
Cooling	Forced-air
Dimensions, D x W x H(mm)	800*1200*2050
Weight (Kgs)	1980

Battery Parameter

Model	BSM48280H*33
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	51.2
Nominal Capacity (WH)	14336
Voltage Range (V)	44.8~57.6
Max. Charge/Discharge Current(A)	280
Communication	RS485/CAN
Weight (Kgs)	4186.8
Design Life	10 years+
Cycle Life	>6000 @25°C

Environment

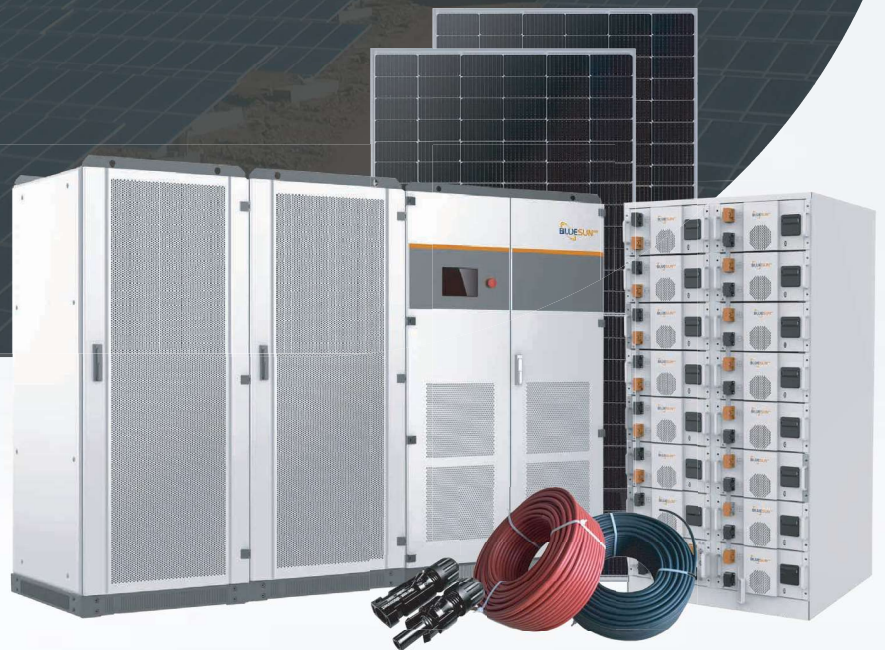
Maximum operation altitude	4000m
Working Temperature	0°~ 50°C Charge ; -10°~ 50°C Discharge
Shelf Temperature	-20°~ 60°C

BSI Series

BSI-500KW-946KWh

Industrial Energy Storage System Standard Proposal

PV Power	Equipment	Remark
BSI-250KW-473KWh	PV	432.2kWp
	Inverter	500KW
	Battery	946KWh (48280H*11, 6 Rack)



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

PRODUCT TOPOLOGY



PV Power	Equipment	Model	Unit	Quantity	Remark
BSI-500KW-946KWh 432.2kWp/500kW/946kWh	PV modules	BSM565M10-72HPH	pcs	765	17pcs/string, 45string
	PV Combiner Box	5 Inputs 1 Output	pcs	10	5 Inputs 1 Output
	Inverter	BMPS500	pcs	1	3P/400V
	Battery	BSM48280H	pcs	66	51.2V/280Ah
		Control Box	pcs	6	BCU included
		Battery Rack	pcs	6	2*6 layers
		BAU Control Box	pcs	1	BAU included
	Connector	MC4	pair	184	
	PV cable	PV1-F 1*4mm ²	m	4500	
	EMS	BR3000	pcs	1	Optional

MODEL

BSI-500KW-946KWh

System Parameter

AC rated power	500kW
Battery capacity	946kWh
AC voltage	3P/400V
Rated grid frequency	50/60Hz

Inverter Parameter

Model	BMPS500
Rated power	500kVA /500kW
Frequency	50/60 Hz
Nominal Voltage	230/400VAC
Overload capability	110%-10min120%-1min
Max. PV Voltage (V)	1000VDC
PV Array MPPT Voltage Range	250~850VDC
Max PV power	600/660/720KW
Cooling	Forced-air
Dimensions, D x W x H(mm)	800*2800*2050
Weight (Kgs)	3265

Battery Parameter

Model	BSM48280H*66
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	51.2
Nominal Capacity (WH)	14336
Voltage Range (V)	44.8~57.6
Max. Charge/Discharge Current(A)	280
Communication	RS485/CAN
Weight (Kgs)	8373.6
Design Life	10 years+
Cycle Life	>6000 @25°C

Environment

Maximum operation altitude	4000m
Working Temperature	0°~ 50°C Charge ; -10°~ 50°C Discharge
Shelf Temperature	-20°~ 60°C



XENON
ENERGY

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