

COMMERCIAL & INDUSTRIAL

30KW/ 54.2KWH

ENERGY STORAGE SYSTEM

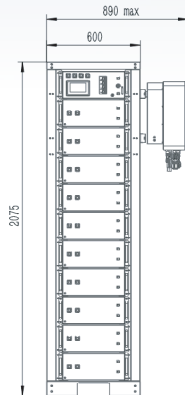
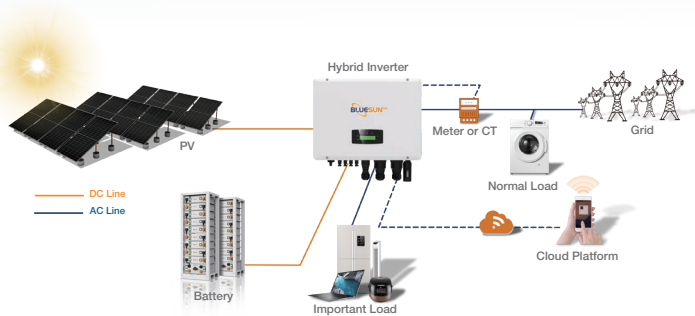


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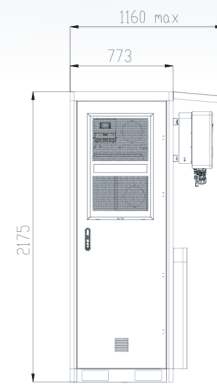
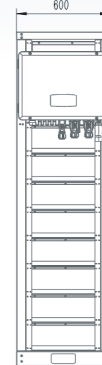


OUTDOOR

Product Topology



INDOOR



OUTDOOR

SYSTEM CONFIGURATION

Number	Product name	Specification model	Unit	Quantity	Remark
1	Photovoltaic module	BSM565M10-72HPH	block	64	16 pieces/string; total 4 strings; total 35.84kWp
2	Dc combiner box	4 input and 4 output	piece	1	1000V open circuit voltage, component short circuit current 14.14A
3	Hybrid inverter	BSE30KH3	piece	1	Three-phase 400V 50Hz 3 groups of mppt, 2 strings per group
4	Lithium battery	51.2V 106Ah(including BMU/ Collecting harness/ power cable)	pack	10	10 blocks 1 group, a total of 1 group, total 54.2kWh
5		High voltage control box	piece	1	
6		Battery Rack	set	1	
7	Remote monitoring	WiFi monitoring	set	1	equipped
8	MC4 connector	The type of a one-to-one correspondence	pair	16	
9	Photovoltaic cable	PV1-F 1*4mm ²	meter	400	
10	Support	Support for 64 photovoltaic modules	set	1	

30KW/54.2KWH ENERGY STORAGE SYSTEM

Model

BSE30KH3-54KWH

SYSTEM PARAMETER

Rated output power	30KW
System capacity	54.2KWH
Battery type	LIFEPO4
Class of protection	IP32/IP56(outdoor)
Quality guarantee	5 years

INVERTER TECHNICAL PARAMETERS

Model number	BSE30KH3
Maximum photovoltaic input power	45KW
Maximum photovoltaic input current	40A*2
Maximum photovoltaic input voltage	1000V
Number of MPPT/number of strings per route	2/4
MPPT voltage range	150-1000V
Maximum photovoltaic short circuit current	60A*2
Maximum charge and discharge current	60A
Maximum charge and discharge power	30kw
Rated grid frequency	50/60Hz
Rated output voltage	230/400V
Phase number	3
Backup power supply	30KW
Communication mode	Wi-Fi/GPRS/4G
Starting voltage	150V
Humidness	0-100%
Dimensions (HxWxD)	558 x 535 x 260 mm
Weight	36kg

BATTERY TECHNICAL PARAMETERS

Battery module model	51.2V 106AH
Module capacity	5.4KWH
Available capacity	4.86KWH
Discharge depth	90%
Rated voltage	512V
Maximum charge and discharge current	100A
Operating temperature range	0~55/-10~55(outdoor)
Cycle number ^[1]	>6000

[1] Test conditions: 0.2C Charging/Discharging,@25°C, 80%Dod

COMMERCIAL & INDUSTRIAL

50KW/ 100.3KWH

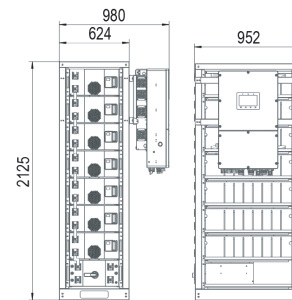
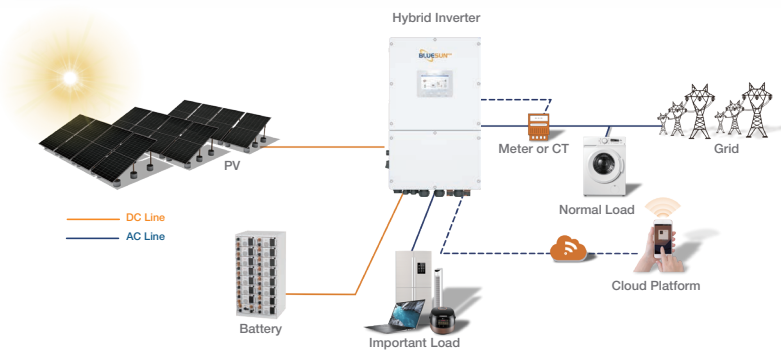
ENERGY STORAGE SYSTEM



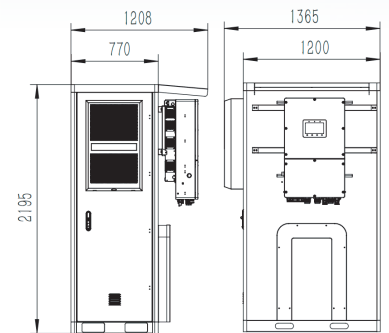
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OUTDOOR



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OUTDOOR

SYSTEM CONFIGURATION

Number	Product name	Specification model	Unit	Quantity	Remark
1	Photovoltaic module	BSM570M10-72HPH	block	96	16 pieces/string; total 6 strings; total 54.72kWp
2	Dc combiner box	6 input and 6 output	piece	1	1000V open circuit voltage, component short circuit current 14.14A
3	Hybrid inverter	BSE50KH3	piece	1	Three-phase 400V 50Hz 4 groups of mppt, 2 strings per group
4	Lithium battery	51.2V 280Ah(including BMU/ Collecting harness/ power cable)	pack	7	7 blocks 1 group, a total of 1 group, total 100.352kWh
5		Control box	piece	1	
6		Battery Rack	set	1	
7		Battery-inverter cable	piece	2	Estimated quantity: Current meets 100A, two batteries per cluster 35 square cabl
8	Remote monitoring	WiFi	set	1	equipped
9	MC4 connector	The type of a one-to-one correspondence	pair	24	
10	Photovoltaic cable	PV1-F 1*4mm ²	meter	600	
11	Support	Support for 96 photovoltaic modules	set	1	

50KW/100.3KWH ENERGY STORAGE SYSTEM

Model

BSE50KH3-100.3KWH

SYSTEM PARAMETER

Rated output power	50KW
System capacity	100.3KWH
Battery type	LIFEPO4
Class of protection	IP32/IP56(outdoor)
Quality guarantee	5 years

INVERTER TECHNICAL PARAMETERS

Model number	BSE50KH3
Maximum photovoltaic input power	100KW
Maximum photovoltaic input current	40A*4
Maximum photovoltaic input voltage	1000V
Number of MPPT/number of strings per route	4/8
MPPT voltage range	180-850V
Maximum photovoltaic short circuit current	60A*4
Maximum charge and discharge current	140A
Maximum charge and discharge power	50kw
Rated grid frequency	50/60Hz
Rated output voltage	380/400V, 3L/N/PE
Phase number	3
Backup power supply	50KW
Communication mode	Wi-Fi/GPRS/4G
Starting voltage	150V
Humidness	0-100%
Dimensions (HxWxD)	800 x 350 x 875 mm
Weight	423kg

BATTERY TECHNICAL PARAMETERS

Battery module model	51.2V 280AH
Module capacity	14.3KWH
Available capacity	12.8KWH
Discharge depth	90%
Rated voltage	358.4V
Maximum charge and discharge current	140A
Operating temperature range	0~55/-10~55(outdoor)
Cycle number ^[1]	>8000

[1] Test conditions: 0.2C Charging/Discharging,@25°C, 80%DoD