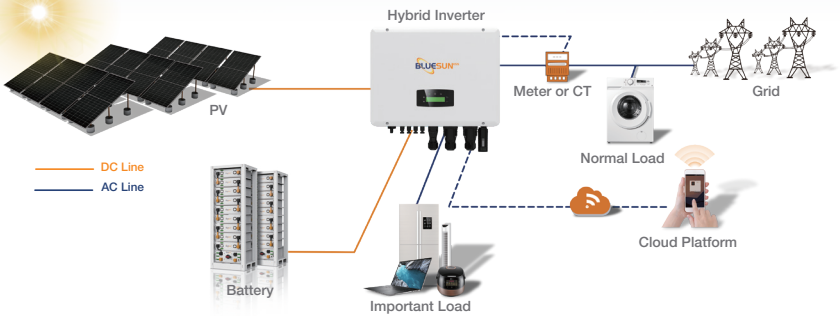
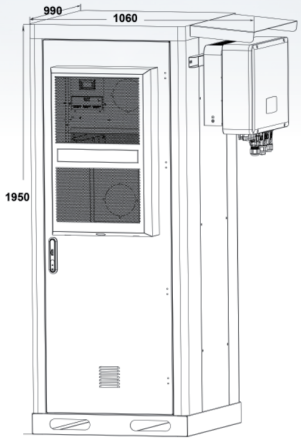
COMMERCIAL & INDUSTRIAL

30KW/ 54.2KWH

ENERGY STORAGE SYSTEM

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 current14.14A
3	Hybrid inverter	EST30KH	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*4mm²	meter	400	
10	Support	Support for 64 photovoltaic modules	set	1	

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30KW/54.2KWH ENERGY STORAGE SYSTEM

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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	40*2A
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	60*2A
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

BLUESUN SOLAR CO.,LTD.
Tel:+86 (158) 5821 3997 | Fax:+86 (551) 6565 2651 | E-mail:info@bluesunpv.com
Add:1499 Zhenxing Road, Shushan District,230031 Hefei,China

*Release BLUESUN Battery Series-2024-01-Rev 01-EN