

BSL NEW ENERGY TECHNOLOGY CO., LTD

Win-win | Change | Cooperation | Integrity | Responsibility

Embrace The Power Of Sun

The Ultimate In Clean And Reliable Energy

BSLBATT®
Best Solution Lithium Battery



About us

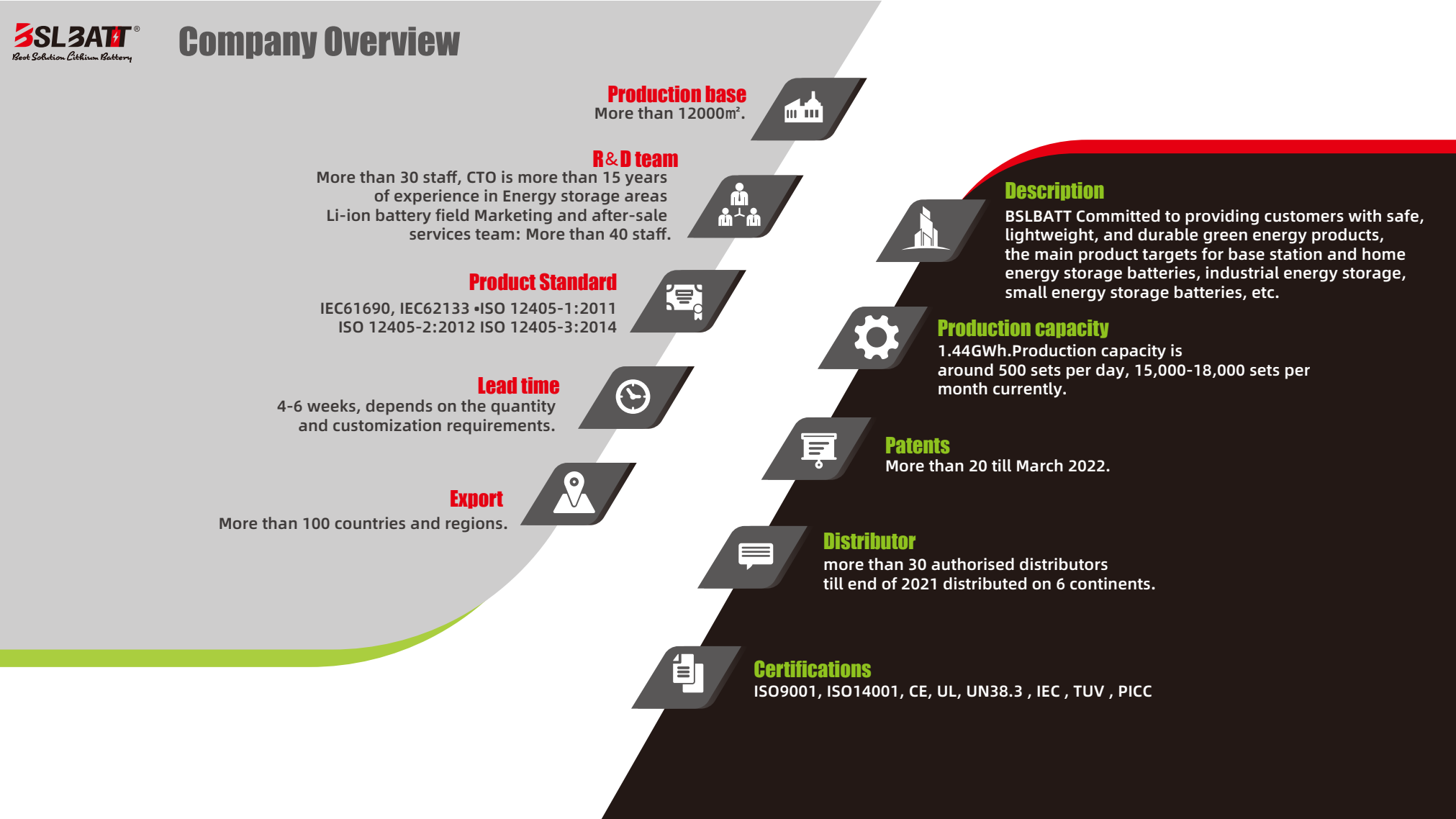
BSLBATT®, a leading global manufacturer and supplier of lithium-ion energy storage solutions, with the booming development of solar rooftops and other renewable energy sources, we are committed to providing innovative and affordable renewable energy solutions for residential and commercial applications.

As a professional lithium-ion manufacturer with more than 18 years of R&D and OEM experience, our products comply with ISO / CE / UL1973 / UN38.3 / ROHS / IEC62619 / CEC standards. The company takes the development and production of advanced series "BSLBATT" (best solution lithium battery) as its mission.

We design, market and sell energy storage and power conversion products based on leading-edge technologies that reduce the cost of entry for homeowners and help reduce the human impact on the environment.

BSLBATT has distributors in more than 36 countries around the world for fast local service. Our engineers have the latest ideas to help our customers store solar energy and save the planet.





**We have obtained 36 invention patents and Utility model;
5 software copyright.**



Lead-acid to Lithium

Lithium ion Battery Pack (LFP)




Lithium ion battery storage
Manufacturer in China

Li-Ion vs. Lead Acid Batteries

1/5 of the Weight

5x Faster Charging

> 10x Longer Lifespan

2x-3x More Power



Features

Maintenance Free

100% Depth of Discharge

10-Year Warranty

Heated Options Available

Product Description

With one of the largest LiFePO4 product offerings available with 12V, 24V and 48V batteries that power a range of applications plus unmatched expertise and 118 local dealers support, SLBATT battery leads the industry in innovation, quality and reliability.



Convenient Communication



Lead-acid to Lithium

Lithium ion Battery Pack (LFP)



LITHIUM PRODUCT

SPECIFICATION GUIDE



Part Number	Voltage (V)	Nominal Capacity(Ah)	Max.charge current(A)	Weight(kg) +/- 5%	Dimensions inches (mm)			Cycle life DOD 100%	Terminal Type	Case Material
					Length	Width	Height			
B-LFP12-50	12	50	30	7	229 MM	138 MM	213 MM	> 2000	M8	ABS
B-LFP12-100	12	100	50	14	323 MM	173 MM	218 MM	> 2000	M8	ABS
B-LFP12-120	12	120	60	16	323 MM	173 MM	218 MM	> 2000	M10	ABS
B-LFP12-150	12	150	75	24	485 MM	172 MM	240 MM	> 2000	M10	ABS
B-LFP12-240	12	240	120	34.2	520 MM	269 MM	208 MM	> 2000	M10	ABS
B-LFP24-50	24	50	25	14.8	520 MM	380 MM	290 MM	> 2000	M8	ABS
B-LFP24-100	24	100	50	28	520 MM	450 MM	350 MM	> 2000	M10	ABS
B-LFP24-150	24	150	50	42	520 MM	450 MM	400 MM	> 2000	M10	ABS
B-LFP24-200	24	200	50	56	520 MM	380 MM	290 MM	> 2000	M10	ABS
B-LFP24-250	24	250	50	70	600 MM	450 MM	350 MM	> 2000	M10	ABS
B-LFP48-30	48	30	10	21	442 MM	360 MM	88 MM	> 2000	M8	ABS
B-LFP48-50	48	50	20	33.5	442 MM	400 MM	132 MM	> 2000	*	Steel
B-LFP48-100	48	100	50	77	442 MM	520 MM	280 MM	> 2000	*	Steel
B-LFP72-224	72	224	50	168	150 MM	90 MM	300 MM	> 2000	*	Steel
B-LFP60-20	60	20	40	13	400 MM	350 MM	200 MM	> 2000	*	Steel
B-LFP60-40	60	40	80	25	400 MM	350 MM	280 MM	> 2000	*	Steel

* (can replace for the lead acid battery, witch the same size of SLA battery)



Lithium ion battery storage
Manufacturer in China

51.2 Volt Wall Mounted Powerwall Series



BSLBATT HOME LITHIUM BATTERY

Wall-mounted series

The BSLBATT home lithium battery uses square LiFePo4 cell technology, is designed to last 10 years, provides 6,000 cycles, and has a modular design for easy installation and scalability.

Product Specification

Models	B-LFP48-100PW	B-LFP48-150PW	B-LFP48-200PW			B-LFP48-240PW
Rated Voltage(V)	51.2	51.2	51.2	51.2	51.2	51.2
Rated Capacity(Ah)	100	150	200	200	200	240
Energy(kWh)	5.12	7.68	10.24	10.24	10.24	12.8
Dimension one(mm)	650*490*147	885*594*143	820*490*147	820*490*147	820*490*147	920*530*176
Peak Current	150A	150A	150A	200A	250A	250A
Continuous Current	100A	100A	100A	150A	200A	200A
Weight(Kg)	56	82	90	90	90	105.3
Scalable	Max. 30 parallel connections					
Communication	CAN,RS485					
Enclosure Protection Rating	Ip23					
Working Temperature Range	-10~50°C					
Cycle Life	> 6,000 Cycle@80% DOD /25°C / 0.5C, 60%EOL					
Warranty	5 years / 10 years					
Certification	IEC62619,UL1973,UN38.3,CE					

BSLBATT Wall-Mounted Home Battery - Build Advanced Energy Storage Systems

- 98% Roundtrip efficiency
- High Durability and Long-Lasting
- Data communication with popular hybrid inverters
- Advanced cell level monitoring and balancing
- Flexible mounting options
- Automotive-grade modules for extended battery life



LiFePo4
Technology



Undervoltage
Automatic Restart



High
Voltage



Easy Installation
Stack



High
Efficiency



Expandable
System



0.5/1C Charge
and discharge



IP65



Remote Diagnosis &
Software Upgrades



B-LFP51.2-300PW



Product Specification

Models	B-LFP48-300PW
Rated Voltage(V)	51.2
Rated Capacity(Ah)	300
Energy(kWh)	15.36
Dimension one(mm)	600*190*950
Max. Continuous Discharge Current	200A
Peak Discharge Current	200A
Weight(Kg)	About 130kg
Scalable	Max. 30 parallel connections
Communication	CAN,RS485
Enclosure Protection Rating	IP21
Working Temperature Range	-10~50°C
Cycle Life	> 6,000 Cycle@80% DOD /25°C / 0.5C, 60%EOL
Warranty	5 years / 10 years
Certification	IEC62619,UL1973,UN38.3,CE

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LiFePo4
Technology



Undervoltage
Automatic Restart



Low
Voltage



Easy Installation
Stack



High
Efficiency



Expandable
System



0.5/1C Charge
and discharge



Big Power



Remote Diagnosis &
Software Upgrades



Lithium-ion Energy Storage System



Product Specification

Models	B-LFP48-200PW
Rated Voltage(V)	51.2
Rated Capacity(Ah)	200
Energy(kwh)	10.24
Dimension one(mm)	680*485*220
Maximum Continuous Charge Curren	100A
Maximum Continuous Discharge Current	100A
Weight(Kg)	Approx : 107kg
Scalable	Max. 16 parallel connections
Communication	CAN,RS485
Enclosure Protection Rating	IP54/IP67
Working Temperature Range	-10~50°C
Cycle Life	> 6,000 Cycle@80% DOD /25°C / 0.5C, 60%EOL
Warranty	5 years / 10 years
Certification	IEC62619,UL1973,UN38.3,CE

BSLBATT Wall-Mounted Home Battery - Build Advanced Energy Storage Systems

- 98% Roundtrip efficiency
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LiFePo4
Technology



Undervoltage
Automatic Restart



High
Voltage



Easy Installation
Stack



High
Efficiency



Expandable
System



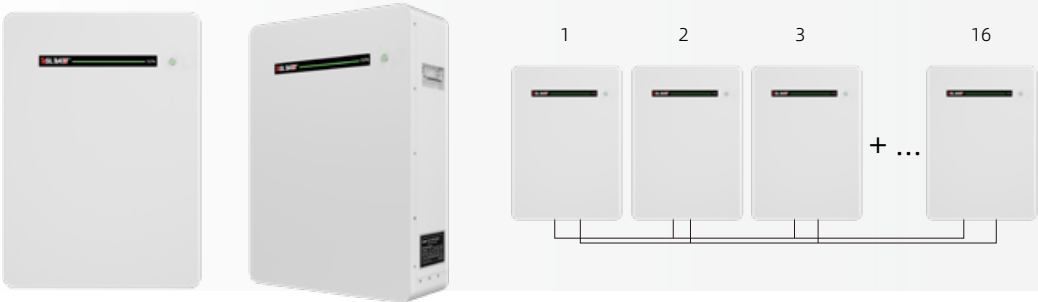
0.5/1C Charge
and discharge



IP56/IP57



Remote Diagnosis &
Software Upgrades



51.2 Volt Rack Mounted Commercial / Residential Storage



Residential/Commercial
2.5kWh - 15.36kWh

B-LFP48-50E
B-LFP48-100E
B-LFP48-120E
B-LFP48-130E
B-LFP48-160E
B-LFP48-200E

Modular design
Easy expansion
BMS intelligent monitoring
Design life of 10-15 years
LiFePo4 technology

Product Specification

Models	B-LFP48-50E	B-LFP48-100E	B-LFP48-130E	B-LFP48-160E	B-LFP48-200E	B-LFP48-300E
Rated Voltage(V)	51.2	51.2	51.2	51.2	51.2	51.2
Rated Capacity(Ah)	50	100	130	160	200	300
Energy(kWh)	2.56	5.12	6.66	8.19	10.24	15.36
Dimension one(mm)	485*390*132	485*442*177	560*442*177	640*405*225	485*503*267	485*700*267
Peak Current	100A	150A	150A	180A	150A	150A
Continuous Current	50A	100A	100A	150A	100A	100A
Weight(Kg)	29	48	56	85	96	120
Scalable	Max. 16 parallel connections					
Communication	CAN,RS485					
Enclosure Protection Rating	Ip23					
Working Temperature Range	-10~50°C					
Cycle Life	> 6,000 Cycle@80% DOD / 25°C / 0.5C, 60%EOL					
Warranty	5 years / 10 years					
Certification	IEC62619,UL1973,UN38.3,CE					

BSLBATT Rack Mounted Battery - 48V LiFePo4 Modular Storage System

- Inverter Protocol Auto-match
- Plug in and Play
- Maximum 16 modules parallel
- Module level auto-balancing
- 6000 cycles at 80% DOD
- 10 years standard warranty

100Ah



130Ah



160Ah



300Ah



Low-voltage

Stacking Battery Packs



The 19-inch rack is pushed

Product Specification

Model	BSL-Box-48200	BSL-Box-48300	BSL-Box-48400	BSL-Box-48500	BSL-Box-48600
Nominal Voltage	48V/51.2V (optional)				
Capacity (Ah)	200	300	400	500	500
Storage Battery	10KWH	15KWH	20KWH	25KWH	30KWH
Internal Resistance (Ac)	≤60mΩ				
Cycle Life	≥6000cycles@80%DOD, 25°C, 0.5C				
Designed Life	≥10 years				
Recommended Charging Voltage	53V±0.5V(15S); 56.0V±0.5V(16S);				
Maximum Operating Current	150A	200A	300A	300A	300A
Discharge Cutoff Voltage	45V±1.0V(15S); 48V±1.0V(16S);				
Charging Temperature Range	0°C~60°C				
Discharging Temperature Range	-20°C~60°C				
Charging Temperature Range	-40 ° C to 55 ° C @60%±25% relative humidity				
Dimensions (Mm)	483*460(510)*186	483*460(510)*372	483*460(510)*558	483*460(510)*744	483*460(510)*930
Weight	110kg	165kg	230kg	285kg	340kg
Communication Mode	RS232-PC, RS485(B)-PC RS485 (A) - Inverter, Canbus - Inverter				
Number Of Parallel	A maximum of 10 batteries can be connected in parallel				
Certification	UN38.3, MSDS, UL1973(Cell), IEC62619(Cell)				

- Integrated Solutions
- 10kWh / 20kWh capacity available
- 24/7 Create Flexibility
- With 6000 cycles

- 10 year warranty
- Premium LFP Battery
- Plug and Play

19Inch network cabinet battery pack



Batteries for a 19-inch standard cabinet Product Specification

Model	BSL-Box-48600	BSL-Box-48800	BSL-Box-481000	BSL-Box-481200	BSL-Box-481400	BSL-Box-481600
Nominal Voltage	48V/51.2V (optional)					
Capacity(Ah)	600	800	1000	1200	1400	1600
Storage Battery	30KWH	40KWH	50KWH	60KWH	70KWH	80KWH
Internal Resistance (Ac)	≤60mΩ					
Cycle Life	≥6000cycles@80%DOD, 25°C, 0.5C					
Designed Life	≥10 years					
Recommended Charging Voltage	53V±0.5V(15S); 56.0V±0.5V(16S);					
Maximum Operating Current	200A	300A	400A	400A	400A	400A
Discharge Cutoff Voltage	45V±1.0V(15S); 48V±1.0V(16S);					
Charging Temperature Range	0°C-60°C					
Discharging Temperature Range	-20°C-60°C					
Charging Temperature Range	-40 ° C to 55 ° C @60%±25% relative humidity					
Dimensions (Mm)	600*800*988	600*800*1166	600*800*1388	600*800*1610	600*800*1833	600*800*2055
Weight	350kg	460kg	570kg	680kg	780kg	900kg
Communication Mode	RS232-PC, RS485(B)-PC RS485 (A) - Inverter, Canbus - Inverter					
Number Of Parallel	A maximum of 10 batteries can be connected in parallel					
Certification	UN38.3, MSDS, UL1973(Cell), IEC62619(Cell)					

- Integrated Solutions
- 10kWh / 20kWh capacity available
- 24/7 Create Flexibility
- With 6000 cycles
- 10 year warranty
- Premium LFP Battery
- Plug and Play



BSL - BOX HV series

Product Specification

Model	BSL-BOX-HV15	BSL-BOX-HV20	BSL-BOX-HV25	BSL-BOX-HV30
Nominal Voltage	153.6V (48 series)	204.8V (64 series)	256V (80 series)	307.2V (96 series)
Capacity (Ah)	100	100	100	100
Storage Battery	15.6KWH	20.48KWH	25.6KWH	30.72KWH
Internal Resistance (Ac)	≤80mΩ	≤100mΩ	≤120mΩ	≤150mΩ
Cycle Life	≥6000cycles@80%DOD, 25°C, 0.5C			
Designed Life	≥10 years			
Recommended Charging Voltage	160V±0.5V	228V±0.5V	284V±0.5V	340V±0.5V
Maximum Operating Current	100A			
Discharge Cutoff Voltage	135V±0.5V	180V±0.5V	225V±0.5V	270V±0.5V
Charging Temperature Range	0°C~60°C			
Discharging Temperature Range	-20°C~60°C			
Charging Temperature Range	-40 ° C to 55 ° C @60%±25% relative humidity			
Dimensions (mm)	748*415*590	930*415*590	1120*415*590	1300*415*590
Weight	Approx:195kg	Approx:260kg	Approx:310kg	Approx:360kg
Communication Mode	RS232-PC, RS485(B)-PC RS485 (A) - Inverter, Canbus - Inverter			
Number Of Parallel	A maximum of 10 batteries can be connected in parallel			
Certification	UN38.3, MSDS, UL1973(Cell), IEC62619(Cell)			



- Integrated Solutions
- 10kWh / 20kWh capacity available
- 24/7 Create Flexibility
- With 6000 cycles

- 10 year warranty
- Premium LFP Battery
- Plug and Play

B-BOX-HV/EU

All in one ESS



Product Specification

Inverter Model	BSL-8kW	BSL-10kW	BSL-12kW
Maximum PV input power (KW)	10.4	13	15.6
Maximum DC voltage (V)	1000V		
Maximum input current of single MPPT (A)	12.5		
MPPT voltage range (V)	180~850		
Number of MPPT/Number of MPPT units connected in parallel	2/1		
Rated power (KW)	8.8	11	13.2
Rated Output Current (AC)	12.7	15.9	19.1
Rated output voltage (V)	400/360-400		
AC output frequency	50/60Hz		
power factor	0.8cap~0.8ind		
THDI	< 3%		

Battery Parameter	BSL/ESS100-20	BSL/ESS100-25	BSL/ESS100-30	BSL/ESS100-35	BSL/ESS100-40
Nominal DC Voltage(V)	204.8	256	307.2	358.4	409.6
Battery Capacity	100Ah	100Ah	100Ah	100Ah	100Ah
Energy(KWh)	20.48	25.6	30.72	35.84	40.96
Dimensions (H*W*D) mm	1044*778*582	1196*778*582	1348*778*582	1500*778*582	1652*778*582
Net Weight (kg)	280	325	370	420	470
Maximum Discharging Current	50A				
Cycle Life	> 6000Cycles(80% DOD)				
Certification	IEC62619,UL1973,UN38.3,CE				



Modular designing



204.8V~409.6V
flexible voltage designing



6000 cycles
at 80% DOD



Plug in and play



All in One system



LiFePO4, Superior Safety



B-BOX-HV/NA

All in one ESS



Modular designing



204.8V~409.6V
flexible voltage designing



6000 cycles
at 80% DOD



Plug in and play



All in One system



LiFePO4, Superior Safety

Product Specification

Inverter Model	BSL-6kW	BSL-8kW	BSL-10kW	BSL-12kW
Maximum PV Input Power(KW)	7.8	10.4	13	15.6
Max. PV voltage	500V			
Max. output power(KVA)	6	8	10	12
Max. output current(A) (AC)	27.3	36.4	45.4	50
Nominal voltage/range	240/211-264			
AC Output Frenquecny	50/60Hz			
Rate AC Output Power	6	8	10	12
Rated grid voltage (V)	220-240/110-120(External split-phase transformer)			
Noise emission(dB)	≤ 25dB		≤ 29dB	
Safety certification	UL1741SA all options,UL1699B,CAS22.2			
Grid connection certification	IEEE1547,IEEE2030.5,Hawaii Rules 14H, Rule21Phasel,I,II,III			

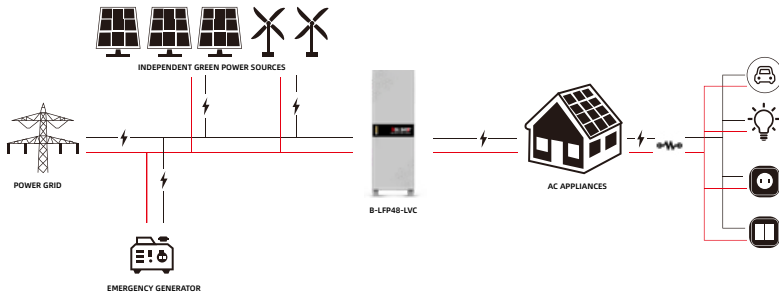
Battery Parameter	BSL/ESS100-20	BSL/ESS100-25	BSL/ESS100-30	BSL/ESS100-35	BSL/ESS100-40
Nominal DC Voltage(V)	204.8	256	307.2	358.4	409.6
Battery Capacity	100Ah	100Ah	100Ah	100Ah	100Ah
Energy(KWh)	20.48	25.6	30.72	35.84	40.96
Dimensions (H*W*D) mm	1044*778*582	1196*778*582	1348*778*582	1500*778*582	1652*778*582
Net Weight (kg)	280	325	370	420	470
Maxmum Discharging Current	50A				
Cycle Life	> 6000Cycles(80% DOD)				
Certification	UN38.3, MSDS, UL1973(Cell), IEC62619(Cell)				





Low Voltage

All-in-one ESS Battery



Product Specification

Item	B-LFP48-LVC				B-LFP48-LVC*2			
Combination Method	16S2P				PACK*2			
Rated Capacity	Typical	200Ah	Minimum	196Ah	Typical	400Ah	Minimum	392Ah
Factory Voltage	51V-53v				51V-53v			
Voltage At End Of Discharge	<=40.5V				<=45V			
Charging Voltage	57V				56.5V			
Internal Impedance	≤100mΩ				≤100mΩ			
Max Charging Current(Icm)	100A							
Limited Charging Voltage(Uc1)	57.6V							
Max Discharging Current	100A							
Discharge Cut-off Voltage(Udo)	43.2V							
Operation Temperature Range	Charge	0~55°C	Discharge	-20~55°C	Charge	0~55°C	Discharge	-20~55°C
Storage Temperature Range	-20°C~25°C				-20°C~25°C			
Single Module Size/weight	680*442*177mm/55Kg							
Main Box Size/weight	2000*800*600mm/100Kg							

Inverter Specification

	On Grid AC Output
Rate AC Output Power	8KVA
AC Output Voltage	120/240vac(split phrase), 208Vac(2/3 phase), 230Vac(single phase)
AC Output Frequency	50/60HZ
Grid Type	Split Phase, 2/3 Phase, Single Phase
Max Output Current	38.3A
AC reverse charging	Yes
Max Efficiency	Over 98%
CEC Efficiency	Over 97%
	PV Input
PV Input Power	12kw
MPPT Number	4
PV Voltage Range	350V/85V-500V
MPPT Voltage Range	120-500V
Single MPPT Input Current	12A

- Integrated Solutions
- 10kWh / 20kWh capacity available
- 24/7 Create Flexibility
- With 6000 cycles

- 10 year warranty
- Premium LFP Battery
- Plug and Play

Hybrid Inverter

Higher PV Input Inverter



Product Specification

Models	HI/B-LFP48-H		HI/B-LFP48	
Rated input voltage	220Vac/230Vac			
Input voltage range	(170Vac~280V ac) ±2%; (90V ac-280Vac) ±2%			
Frequency	50Hz/ 60Hz (auto-sensing)			
Frequency Range	47±0.3Hz ~ 55±0.3Hz (50Hz)/57±0.3Hz ~ 65±0.3Hz (60Hz);			
Overload/short circuit protection	Breaker			
Efficiency	>95%			
Conversion time (byp ass and inverter)	10ms (Typical value)			
AC reverse protection	yes			
Maximum byp ass overload current	40A			
Output voltage waveform	Pure sine wave			
Rated output power(VA)	3000 (2600/2700/3000)		5000(4350/4500/4800/5000)	
Rated output power(W)	3000 (2600/2700/3000)		5000(4350/4500/4800/5000)	
Power factor	1			
Rated output voltage (V ac)	230Vac (200/208/220/240Vac settable)			
Output voltage error	±5%			
Output fr equency range (Hz)	50Hz ± 0.3Hz/60Hz ± 0.3Hz			
Efficiency	>90%			
Peak power	6000VA		10000VA	
Loaded motor capacity	2HP		4HP	
Output shor t-circuit protection	Breaker			
Specifcation of bypass breaker	40A			
Rated battery input voltage	48V (minimum star t voltage 44V)			
EMC authentication grade	EN61000			
Operation temperature range	-15°C to 55°C			
Storage temperature range	-25°C ~ 60°C			
Humidity range	5% to 95% (Conformal co ating protection)			
Noise	≤60dB			
Thermal dissipation	Forced cooling with adjustable air speed			
Communication inter face	USB/RS485 (WiFi/ GPRS)/dry node control			
Dimension (L*W*D)	426mm*322mm*126mm			
Weight (kg)	10.9			

High Efficiency

- 150% PV oversize, 110% overload output
- Maximum 120% overload output
- Advanced mppt technology with 99.9% efficiency
- Self-activated lithium battery

Economical

- Max. 30A DC input current, support high power solar panel
- Store the residual energy from PV generation into the battery
- With power saving mode to reduce no-load loss
- 4 charging modes with uninterrupted power supply

Microgrid System (Battery bank, Controller & PCS)

Resilient, Reliable and Quick Delivery Power Block



Smart and Friendly

- Seamless Integration With PV systems, Wind, DG And The Grid.
- Cloud-based Monitoring System For Digital And Fully Automated Management Of Energy Flows.

Economic and Environmental Protection

- Longer Service Life And 10-year Performance Guarantee.
- Green And Environmentally Friendly By Using Clean Energy To Realize Power Supply In Areas Without Grid.

Efficient and Flexible

- Integrated Charging And Discharging Efficiency Of Up To 86%.
- Modular Design, Supporting Parallel Expansion And Flexible Configurable Capacity.

Safe and Reliable

- Perfect Fault Protection Mechanism And Real-time Monitoring Of Operation Status.
- UL1973, IEC 62619 Test Certification.

Product Specification

Item	Data
Applications	Industrial/Microgrid
Pack qty	15 (6~15 Configurable)
Nominal capacity	64kWh - 552kWh
Discharge cutoff- Rated-Charge cutoff voltage	672V~768V~852V
Cell	3.2V/90Ah
String measuring voltage range	0~1,000V
String voltage detection accuracy	±0.5%
String voltage sampling period	100ms
String measuring current range	±300A
String current detection accuracy	1%
String temperature detection accuracy	±2°C
SOC calculation accuracy	< 7%
Input insulation resistance	≥10MΩ, 1,000V DC
Communication	Ethernet, CAN, RS485
System cycle life	≥5,000 cycles@0.5C, 25°C

The BSLBATT microgrid system is designed for small businesses and communities and is available in capacities ranging from 64kWh to 552kWh. The BSLBATT microgrid solution helps residents to further eliminate the noise and environmental pollution caused by diesel generators and create a quiet and clean energy environment.



Integrated Energy



Improve Power Quality



Backup Power Supply



Backup Power Supply




Load Shifting




Sizable Income


Industrial and commercial energy storage - Battery clusters




Integrated Energy




Improve Power Quality



Backup Power Supply



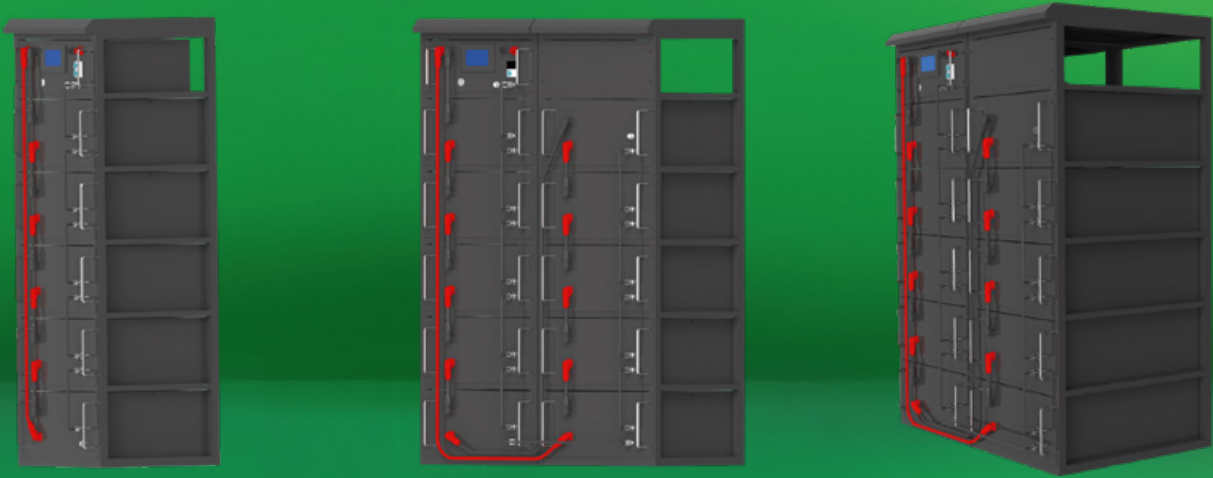
Load Shifting



Balanced Output Curve



Sizable Income



51.2KWH/76.8kwh Battery string

102.4KWH/153.6kwh Battery string

143.36KWH/215.05kwh Battery string

Model	BSL-51200W/HV	BSL-76800W/HV	BSL-102400W/HV	BSL-153600W/HV	BSL-143360W/HV	BSL-215040W/HV
Nominal Voltage	512V	768V	512V	768V	512V	768V
Module Specifications	102.4V100Ah	51.2V100Ah	51.2V200Ah	51.2V200Ah	51.2V280Ah	51.2V280Ah
Capacity Storage	100Ah	100Ah	200Ah	200Ah	280Ah	280Ah
Power Internal	51.2KWH	76.8KWH	102.4KWH	153.6KWH	143.36KWH	215.05KWH
Resistance (Ac)	≤200mΩ	≤300mΩ	≤200mΩ	≤300mΩ	≤200mΩ	≤300mΩ
Cycle Life	≥5000cycles@80%DOD, 25℃, 0.5C					
Design Life	10 years					
Recommended Charging Voltage	560V±2V	840V±2V	560V±2V	840V±2V	560V±2V	840V±2V
Discharge Up Voltage	440V±2V	672V±2V	440V±2V	672V±2V	440V±2V	672V±2V
Maximum Operating Current	100A		100A		100A/ 200A(choosable)	
Charging Temperature Range	0℃~60℃					
Discharge Temperature Range	-20℃~60℃					
Storage Temperature Range	-40 ° C to 55 ° C @66%±25% Ambient humidity					
Dimensions	520*510*1510 mm	520*1020*2000 mm	520*1020*1510 mm	520*1020*2000 mm	720*1020*1510 mm	720*1020*2000 mm
Weight	Approx: 550kg	Approx: 860kg	Approx: 1100kg	Approx: 1600kg	Approx: 1250kg	Approx: 1900kg
Communication	RS232-PC, RS485/Canbus-Inverter					
Authentication	UN38.3, MSDS, UL1973(Cell), IEC62619(Cell)					
Maximum Number Of Parallel Connections	4P					



Industrial and commercial energy storage -PCS inverter

Product Specification

Model	BSL-PS030		BSL-PS050		BSL-PS0100		BSL-PS0150		BSL-PS0250		BSL-PS0500	
PV input parameters (DC)												
Maximum PV input power (configurable)	36KW		60KW		120KW		180KW		275KW		550KW	
Maximum DC voltage	1000V											
MPPT voltage range (V)	520-850V DC											
Grid-connected (AC)												
Rated power	33KVA		55KVA		165KVA		180KW		275KVA		550KWA	
Active power	30KVA		50KVA		100KVA		150KW		250KVA		500KWA	
voltage range	400V / 320-460V											
AC output frequency	50 / 60 Hz											
Power factor	0.8cap~0.8ind											
THDI	< 3%											
Grid type	3W+N+PE											
Off-grid (AC)												
Rated power	33KVA		55KVA		165KVA		180KW		275KVA		550KWA	
Active power	30KVA		50KVA		100KVA		150KW		250KVA		500KWA	
output rating	400V											
AC output frequency	50 / 60 Hz											
Power factor	0.8cap~0.8ind											
THDI	< 2% Linear											
Surge capability	110%, 10 minutes /120%, 1 minute											
General Parameters												
Dimensions	800*800*2050				1800*800*2050				2800*800*2050		2800*1050*2050	
Weight	440kg		620kg		900kg		1250kg		1700kg		3520kg	
operating ambient temperature	-25-55°C											
humidity	No condensation 0-95%											
level of protection	IP20											
noise	≤65dB											
Cooling mode	No condensation 0-95%											
The power consumption of the outage	≤30W											
Display	Touch LCD display											
communication interface	RS485/Can-bus											



Zerostone Mine off-grid



Island off-off-grid



Villages and towns in areas without electricity



Village off-grid

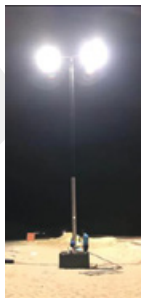
- Inverter Protocol Auto-match
- Plug in and Play
- Maximum 16 modules parallel
- Module level auto-balancing
- 6000 cyclesat 80% DOD
- 10 years standard warranty

GLOBAL PROJECTS



Together with PLC under Aramco control, Our BSLBATT batteries are used for New city's street lights, there are Phase 1, Phase 2, Phase 3, and a bright future!

200Set - 3.2KWH Street Light for Saudi Arabia



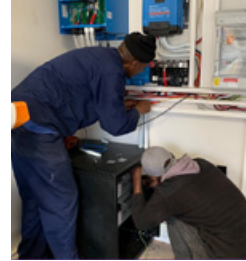
57Set - 122KWH Solar systems for Zimbabwe

Together with JGH under UNDP control in Zimbabwe, Our BSLBATT batteries are used for medical clinics throughout the country.

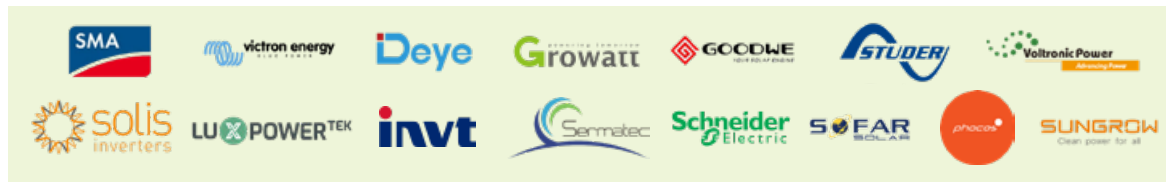




Running in
100+ countries
around the world



"BSLBATT Lithium battery storage system - good product, good concept, good advice, good implementation. You will never go wrong with BSLBATT. I had 2 * 6.4kWh for 18 months. Still 100% SOH. Full 1C discharge."



Maximum Power Maximum Life.

When you use BSLBATT Lithium Iron Phosphate (LiFePO4) batteries as part of your solar energy system, you know you're making the absolute most of it. That's because BSLBATT batteries are the ultimate clean energy, delivering highly-efficient, ultra-long life and constant power you can depend on in even the most extreme environments.

TAKE CHARGE: A partial state of charge, known as PSOC, which is a killer of lead-acid batteries, does not affect a lithium battery's performance or battery life. Batteries often don't get fully charged or regularly operate in a partial state of charge. Either way, you can count on BSLBATT lithium batteries to live a long and productive life.

ULTRA-LONG LIFE: BSLBATT lithium batteries provide up to 10 times longer life than lead-acid batteries, and they still provide 80% of rated capacity after 2,000 cycles. Spend more time powering your applications and less time to replacing your batteries.



The average build time for customized lithium batteries and battery management software ranges from 4 - 6 weeks depends on the quantity and customization requirements .



Quality management system

Quality management model: a process-based management model, which reflects that customers play an important role in specifying input requirements, monitor customer satisfaction, and require the company to meet the customer's requirements.

Quality policy: Quality of all employees, Quality first, Best service, High customer satisfaction

- Organization and environment
- Related party needs and expectations
- Customer requirements



Quality control process

Supplier management

- Test sample
- Small batch trial production
- Supplier audit
- Regular coaching by suppliers

Incoming inspection

- Supplier Shipping Report
- Incoming inspection
- Material test
- FIFO Management

Process control

- Incoming material (IQA)
- Coating (PQA)
- Production (PQA)
- Assembly (PQA)
- Infusion (PQA)
- Formation (PQA)
- Partitioning (PQA)
- Packaging (FQA)
- Shipment (OQA)

Shipment inspection

- Inspection confirmation
- every Lot shipment
- Packaging inspection
- confirmation
- Cell bar code
- confirmation check

Reliability

- Cycle test
- Magnification test
- High and low temperature test
- High temperature storage test
- Thermal shock cycle
- High temperature and humidity
- Overcharge
- Short-circuit test
- Thermal shock test
- Heavy object impact test
- Squeeze test
- Drop test
- Puncture test

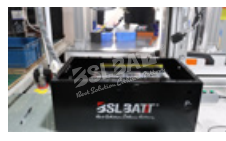
Battery

Factory Advantages

Focus - focus on photovoltaic energy storage battery products, rich product line and on-grid service experience.

Reliable - operator-grade product quality, all passed national/industry standard testing and certification.

Innovation--following user demand orientation, constantly reviewing product value and continuous technology investment.



As a global leader in the energy storage industry, BSLBATT is committed to continuously improving the existing energy storage technology, with the mission of "the best lithium battery solution".

Research and development planning

Continue to invest in research and development, improve product competitiveness, layout of core patents, establish patent barriers.

Financial support

More than 10% of annual income is invested in RCD

Development goals

Convert from actual R & D to original R & D.

Common development

Good cooperation with famous universities at home and abroad, such as Hefei University, etc

The RCD team increases by 30% per group, and top international talents join each year.

Talent cultivation

Invention patent, utility program. Models and software Copyrights help build around and strong patents.

Barriers to applying for US patents and PCT patents.

Intellectual property

Advanced Global
Supply Chain Management System

Supply Chain

Making cheaper, more sustainable, greener renewable energy a new consumer-led model of energy.

· Vision

We have reached deep strategic cooperation with world-renowned cell manufacturers.

· Resources

Professional and reliable, keep improving, distinctive features, novel and high energy.

· Product concept

Customer first, respect for facts, timely and efficient, network all over the world.

· Service philosophy

Adopting automotive-grade Modular design ideas, series products are highly versatile .

· Manufacturing

Why choose **BSLBATT** Solar Lithium Battery **AS A PARTNER ?**

Our products and our team are dedicated 24/7 to providing cost-effective, reliable, well-designed lithium-ion (LiFePo4) battery solutions. We work with top raw material suppliers to ensure our home and commercial energy storage batteries exceed industry standards.





www.bsl-battery.com

Cell: +86-752-2819-469

E-mail: inquiry@bsl-battery.com



Victron official website authentication



https://www.victronenergy.com/live/battery_compatibility:start

UN38.3

ISO 9001:2008

ISO/TS 16949:2009

ISO 14001:2004

OHSAS 18001:2007

Quality Management System

Quality Management System

Environment Management System

Occupational Health and Safety Management System

Certifications Applicable to the Design and manufacture of Lithium iron Phosphate Batteries.

BSLBATT Battery provides our customers with the highest quality and safest lithium products, in compliance with all regulatory standards.
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