Powering a Sustainable Future

with Smart & Reliable Batteries

BSLBATT®



www.bsl-battery.com



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A GLOBAL NETWORK OF TRUST
POWERING ENERGY FREEDOM

120000
Global Residential ESS

141+ Countries
Global Deliveries

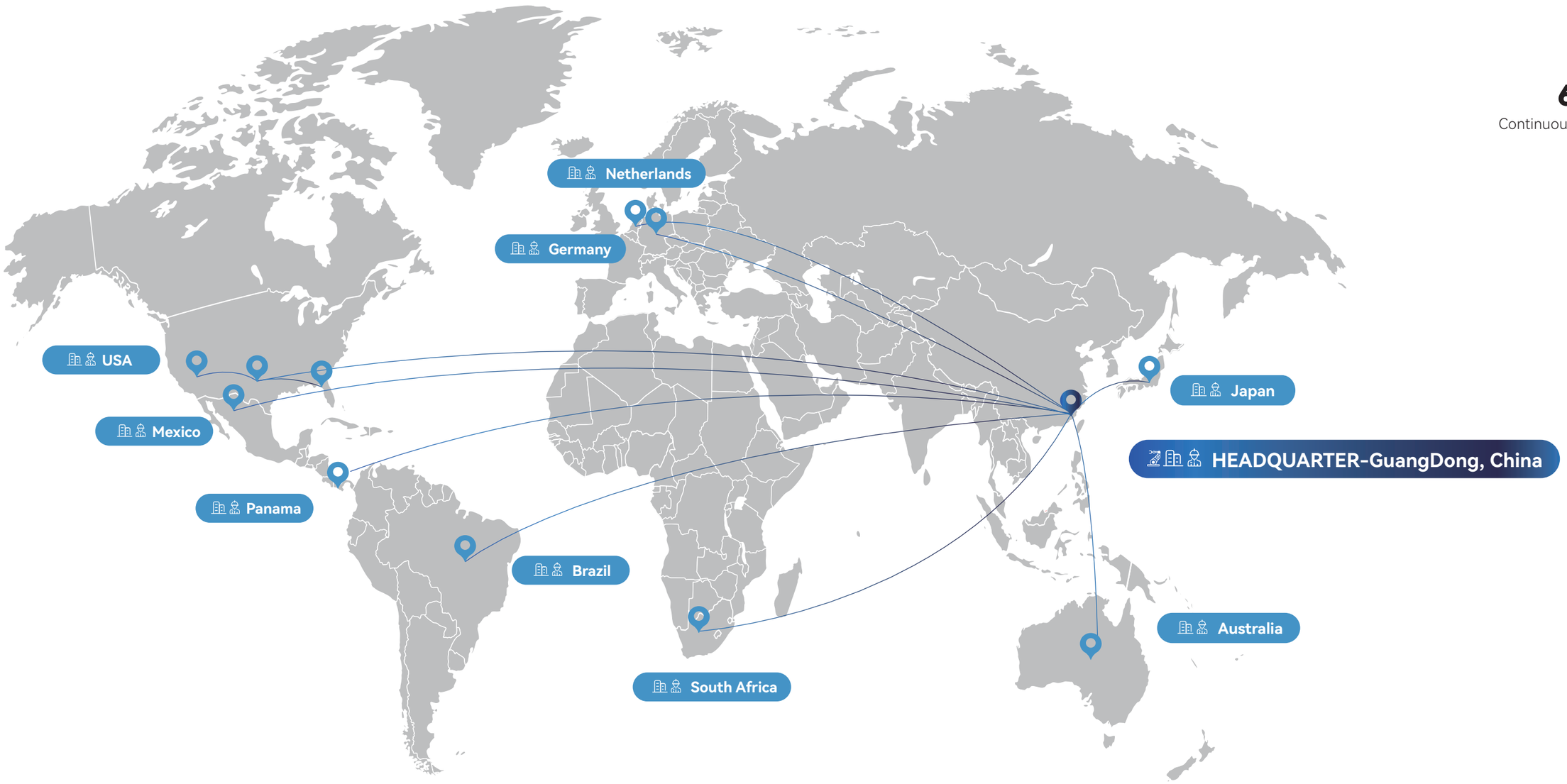
118+
Distributors

24+ Years
Lithium Experience

3 GWH +
Annual Production

12V- 1000V
Flexible Battery Solutions

6.2%
Continuous R&D investment



ABOUT BSLBATT

Since our establishment in 2011, BSLBATT has been dedicated to delivering high-quality lithium solar battery solutions to customers worldwide. Guided by our philosophy of innovation, quality, and reliability, we continuously follow cutting-edge industry technologies to stay ahead in the energy storage field.

Today, BSLBATT offers a comprehensive product portfolio covering Residential ESS, C&I ESS, UPS, and Portable Power Solutions. Leveraging core technologies such as long cycle life, high safety, low-temperature resistance, and anti-thermal runaway design, we address the key challenges in energy storage development and remain committed to driving the global transition to renewable energy.

Over the years, we have adhered to continuous technological innovation, exploring the evolving needs of customers and delivering tailored solutions—from lithium iron phosphate cells to integrated energy storage systems. This aligns perfectly with our vision of becoming “the best lithium battery solution provider.

BRAND DEFINITION

Vision

To become the world’s most trusted lithium battery solution provider.

Mission

Cut carbon and power a cleaner, greener future with advanced energy storage.

Values

Safety · Quality · Innovation · Sustainability.



Three Major Milestone Figures

24+ Years
Lithium Battery Experience

100+
R&D Engineer

1.54 + MM Ts
Reduction in Carbon Dioxide Emissions

2011-2012

· BSLBATT was founded by Eric Yi

· Lead-acid battery sales exceeded RMB 100 million

2013-2017

· Established Anhui lithium battery factory

· Massembly shipments of 12V and 24V lead-to-lithium products

· Developed 48V and 51.2V products for ESS, UPS, and telecommunications applications

2018-2020

· Established a Dongguan energy storage battery factory

· Launched the first wall-mounted battery for household storage

· Became the third Chinese battery brand globally to be listed on Victron inverters

2021-2023

· Established BSL New Energy Technology Co., Ltd.

· Established Huizhou factory and R&D base

· Products exported to over 50 countries and regions

· Obtained multiple international certifications including UL1973, IEC, and AU CEC

· Over 90,000 energy storage batteries installed worldwide

2023- 2025

· Established branches in the Netherlands, USA, Mexico, South Africa, and Japan

· Expanded annual battery production capacity to 3GWh

· Launched multiple battery systems for industrial and commercial energy storage

· Company sales reached US $72.68 million

· Products exported to over 141 countries and regions

· Listed on China's National Equities Exchange and Quotations (NEEQ)



Energy Transformation Needs Enablers

Work with a solar battery supplier you can support and a partner that offers personalized OEM service, technical training and 24/7 global support. That's BSLBATT.

ENERGY ADVANTAGE

Floor Area
30000 m²

Industrial Park
30 Acres

Number of Employees
300+

Annual Capacity
3 Gwh



Reliable

Operator-grade product quality, all passed national/Industry standard testing and certification.

Focus

Focus on photovoltaic energy storage battery productsrich product line, and on-grid service experience.

Innovation

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



LiFePO4 Battery Solution Supplier & Manufacturer

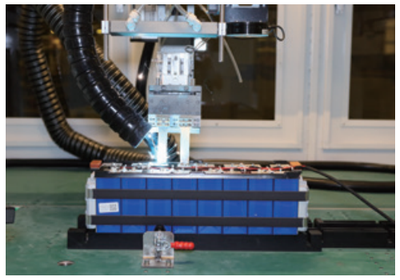
At BSLBATT, we view market demand and customer needs as opportunities to innovate. With advanced technology and reliable products, we insist on a long-term development strategy: refining our technology, standardizing our products, and systematizing production.

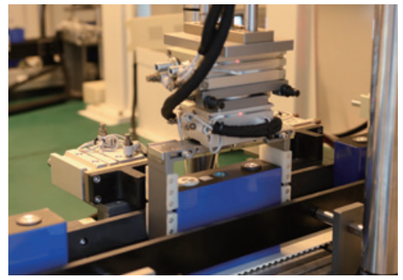
This enables us to deliver renewable energy solutions that are extremely safe, reliable, high-performing, and user-friendly, driving progress across multiple industries.













The company has developed a complete system to create and protect its intellectual property.

Several patents have been applied for and are pending authorization.

60+ Invention Patent

01+ Utility Model Patent

05+ Software Copyright

20 + Honors

Trusted technology, Global partnerships



- CE
- UN38.3
- UL1973
- IEC62619
- IEC62040
- IEC62477

- PICC
- ROHS
- ISO9001
- ISO14001
- ISO45001
- ISO50001







15 - 30 kWh
51.2V | AIO System | IP54

15 - 37 kWh
HV | Stackable | IP65

5 - 16 kWh
51.2V | Wall Battery | IP20

5 - 16 kWh
51.2V | Wall Battery | IP65

5 - 15 kWh
51.2V | Rack Battery | IP20

Why Home Energy storage system ?

Maximize Solar Self-use.
Self-use of photovoltaic power to increase the self-consumption rate

Live a low-carbon life
Green and low-carbon living to reduce carbon footprint

Safe Energy.
Smart Savings.
Green Living.

Application Scenarios

Shift energy use to off-peak hours
Peak shaving and off-peak shifting to reduce electricity costs

Live off the grid
Off-grid power supply

Solar-powered EV charging
Integrate with electric vehicle (EV) charging

Power for outages
Emergency backup power



Residential Battery Storage Solutions

- B-LFP48 Rack Series
- B-LFP48 PW Series
- Li-Pro Series
- PowerLine-5 Series
- B-LFP48-130PW ECO
- PowerNest LV Series
- MatchBox HVS Series

B-LFP48-E Rack Series

51.2V LiFePO4 Solar Rack Batteries

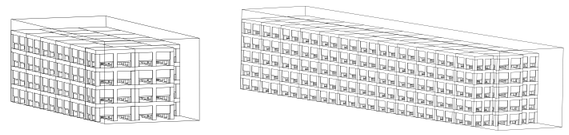


- Cobalt Free Lithium Iron Phosphate (LFP) Battery
- Built-in Pre-charge Resistor
- 1C Continuous Discharge Rate
- Modular Design, Up to 63 in Parallel
- CCS Standard Battery Module
- 10 Years Warranty > 6000 Cycles

The BSLBATT Classic Series rack-mount batteries are available in three capacities: 5kWh, 10kWh, and 15kWh, meeting diverse needs, from small homes to medium- to large-scale energy storage systems. The standard 19-inch rack design offers strong compatibility, ease of expansion and integration, and simplified installation and maintenance, making it an ideal choice for dealers and installers.

Packing Configuration	B-LFP48-100E	
Carton Dimensions	632*507*187mm	
Container	20'GP	40'GP
Pieces Per Pallet	16	16
Pallets Per Container	16	35
Pieces Per Container	256	512

B-LFP48-300E



20'GP
108 Pieces Container

40'GP
216 Pieces Container

Packing Configuration	B-LFP48-200E	
Carton Dimensions	702*538*321mm	
Container	20'GP	40'GP
Pieces Per Pallet	6	6
Pallets Per Container	28	47
Pieces Per Container	168	282

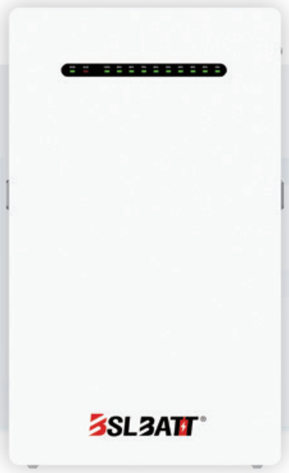
Packing Configuration	B-LFP48-300E	
Carton Dimensions	932*557*299mm	
Container	20'GP	40'GP
Pieces Per Pallet	6	6
Pallets Per Container	18	36
Pieces Per Container	108	216

Model		B-LFP48-100E 3U	B-LFP48-200E	B-LFP48-300E
Battery Type		LiFePO4	LiFePO4	LiFePO4
Nominal Voltage (V)		51.2	51.2	51.2
Nominal Capacity (Wh)		5120	10240	15360
Usable Capacity (Wh)		4864	9728	14592
Cell & Method		16S1P	16S1P	16S1P
Dimension (mm)(W*D*H)		540*483(442)*136 (±3)	590*483(442)*222 (±3)	780*483(442)*222 (±3)
Weight (Kg)		43 ±3%	79 ±3%	111 ±3%
Discharge Voltage (V)		47		
Charge Voltage (V)		55		
Charge	Rated Current / Power	80A / 4.096kW	160A / 8.192kW	150A / 7.68kW
	Peak Current / Power	110A / 5.632kW	210A / 10.752kW	210A / 10.752kW
Discharge	Rated Current / Power	100A / 5.12kW	200A / 10.24kW	200A / 10.24kW
	Max. Current / Power	120A / 6.144kW, 1s	220A / 11.264kW, 1s	220A / 11.264kW, 1s
	Peak Current / Power	150A / 7.68kW, 1s	250A / 12.80kW, 1s	250A / 12.80kW, 1s
Communication		RS232, RS485, CAN, WIFI, Bluetooth		
Depth Of Discharge (%)		95%		
Scalability		Up to 63 units in parallel		
Working Temperature	Charge	0~55℃		
	Discharge	-20~55℃		
Storage Temperature		0~35℃		
Short Circuit Current /Duration Time		350A, Delay time 500μs		
Cooling Type		Natural		
Protection Level		IP20		
Monthly Self-discharge		≤ 3%/month		
Humidity		≤ 60% ROH		
Altitude (m)		< 4000		
Warranty		10 Years		
Design Life		> 15 Years（25℃ / 77℉）		
Cycle Life		> 6000 cycles, 25℃		
Transport Certificates		UN38.3, MSDS		
Safety Certifications		CE, IEC 62619, IEC 62040, IEC 62477 (B-LFP48-300E not included)		

Note: Customized models and adjusted parameters are available upon request.

B-LFP48-PW Series

51.2V Energy Storage Wall Battteries



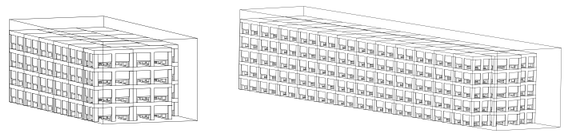
- Cobalt Free Lithium Iron Phosphate (LFP) Battery
- Built-in Pre-charge Resistor
- 1C Continuous Discharge Rate
- Modular Design, Up to 32 in Parallel
- CCS Standard Battery Module
- 10 Years Warranty > 6000 Cycles

The BSLBATT Classic Series wall-mounted battery is available in three capacities: 5kWh, 10kWh, and 16kWh, tailored to meet diverse household energy needs. It uses highly safe $LiFePO_4$ cells and an intelligent BMS protection system to ensure long-term stable and efficient operation.

Packing Configuration	B-LFP48-100PW	
Carton Dimensions	645*542*230mm	
Container	20'GP	40'GP
Pieces Per Pallet	14	14
Pallets Per Container	16	36
Pieces Per Container	224	496

Packing Configuration	B-LFP48-200PW	
Carton Dimensions	982*647*250mm	
Container	20'GP	40'GP
Pieces Per Pallet	7	7
Pallets Per Container	16	34
Pieces Per Container	112	238

B-LFP48-300PW



20'GP
56 Pieces Container

40'GP
128 Pieces Container

Packing Configuration	B-LFP48-300PW	
Wooden Box Dimensions	930*660*410mm	
Container	20'GP	40'GP
Pieces Per Pallet	1	1
Pallets Per Container	56	128
Pieces Per Container	56	128

Model		B-LFP48-100PW	B-LFP48-200PW	B-LFP48-300PW
Battery Type		LiFePO4	LiFePO4	LiFePO4
Nominal Voltage (V)		51.2	51.2	51.2
Nominal Capacity (Wh)		5120	10240	15360
Usable Capacity (Wh)		4864	9728	14592
Cell & Method		16S1P	16S2P	16S1P
Dimension (mm)(W*D*H)		460*147*590 (±3)	510*147*860 (±3)	510*240*844 (±3) (With wheels)
Weight (Kg)		53 ±1%	95 ±1%	130 ±1%
Discharge Voltage (V)		47		
Charge Voltage (V)		55		
Charge	Rated Current / Power	80A / 4.096kW	160A / 8.192kW	150A / 7.68kW
	Peak Current / Power	110A / 5.632kW	210A / 10.752kW	210A / 10.752kW
Discharge	Rated Current / Power	100A / 5.12kW	200A / 10.24kW	200A / 10.24kW
	Max. Current / Power	120A / 6.144kW, 1s	220A / 11.264kW, 1s	220A / 11.264kW, 1s
	Peak Current / Power	150A / 7.68kW, 1s	250A / 12.80kW, 1s	250A / 12.80kW, 1s
Communication		RS232, RS485, CAN, WIFI, Bluetooth		
Depth Of Discharge (%)		95%		
Scalability		Up to 32 units in parallel		
Working Temperature	Charge	0~55℃		
	Discharge	-20~55℃		
Storage Temperature		0~35℃		
Short Circuit Current /Duration Time		Enable		
Cooling Type		Natural		
Protection Level		IP20		
Monthly Self-discharge		≤ 3%/month		
Humidity		≤ 60% ROH		
Altitude (m)		< 4000		
Warranty		10 Years		
Design Life		> 15 Years (25℃ / 77℉)		
Cycle Life		> 6000 cycles, 25℃		
Transport Certificate		UN38.3, MSDS		
Safety Certification		B-LFP48-200PW (old version): IEC 62619, UL1973, CEC Listed		

Note: Customized models and adjusted parameters are available upon request.

Li-Pro Series

51.2V Energy Storage Wall Battteries



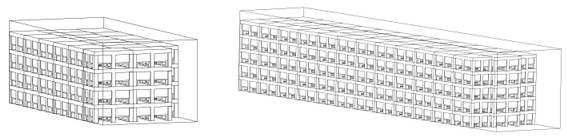
- Cobalt Free Lithium Iron Phosphate (LFP) Battery
- Built-in Pre-charge Resistor
- 1C Continuous Discharge Rate
- Modular Design, Up to 15 in Parallel
- CCS Standard Battery Module
- 10 Years Warranty > 6000 Cycles

The BSLBATT Li-Pro series of wall-mounted batteries, available in 5kWh, 10kWh, and 16kWh capacities, are designed to meet the diverse energy storage needs of modern households. The compact wall-mount design saves space, offers flexible and convenient installation, and is compatible with a wide range of mainstream inverters. With an IP65 waterproof and dustproof rating, it operates reliably even in challenging outdoor environments.

Packing Configuration	Li-Pro 5120	
Carton Dimensions	720*545*235mm	
Container	20'GP	40'GP
Pieces Per Pallet	8	8
Pallets Per Container	28	60
Pieces Per Container	224	477

Packing Configuration	Li-Pro 10240	
Carton Dimensions	855*645*280mm	
Container	20'GP	40'GP
Pieces Per Pallet	6	6
Pallets Per Container	20	42
Pieces Per Container	120	252

Li-Pro Styx



20'GP
80 Pieces Container

40'GP
168 Pieces Container

Packing Configuration	Li-Pro Styx	
Wooden Box Dimensions	930*660*415mm	
Container	20'GP	40'GP
Pieces Per Pallet	1	1
Pallets Per Container	80	168
Pieces Per Container	80	168

Model		Li-Pro 5120	Li-Pro 10240	Li-Pro Styx
Battery Type		LiFePO4	LiFePO4	LiFePO4
Nominal Voltage (V)		51.2	51.52	51.2
Nominal Capacity (Wh)		5120	10304	16076
Usable Capacity (Wh)		4864	9788	15272
Cell & Method		16S1P	16S1P	16S1P
Dimension (mm)(W*D*H)		450*145*660 (±3)	530*190*760 (±3)	560*235*830(with wheels: 898) (±3)
Weight (Kg)		50 ±1%	90 ±1%	131 (With Base : 137) ±1%
Discharge Voltage (V)		47		
Charge Voltage (V)		55		
Charge	Rated Current / Power	80A / 4.096kW	160A / 8.192kW	160A / 8.192kW
	Peak Current / Power	110A / 5.632kW	210A / 10.752kW	210A / 10.752kW
Discharge	Rated Current / Power	100A / 5.12kW	200A / 10.24kW	200A / 10.24kW
	Max. Current / Power	120A / 6.144kW, 1s	220A / 11.264kW, 1s	220A / 11.264kW, 1s
	Peak Current / Power	150A / 7.68kW, 1s	250A / 12.80kW, 1s	250A / 12.80kW, 1s
Communication		RS232, RS485, CAN, WIFI, Bluetooth		
Depth Of Discharge (%)		95%		
Scalability		Up to 15 units in parallel		
Working Temperature	Charge	0~55℃		
	Discharge	-20~55℃		
Storage Temperature		0~35℃		
Short Circuit Current /Duration Time		350A, Delay time 500μs		
Cooling Type		Natural		
Protection Level		IP65		
Monthly Self-discharge		≤ 3%/month		
Humidity		≤ 60% ROH		
Altitude (m)		< 4000		
Warranty		10 Years		
Design Life		> 15 Years（25℃ / 77°F）		
Cycle Life		> 6000 cycles, 25℃		> 8000 cycles, 25℃
Transport Certificates		UN38.3, MSDS		
Safety Certifications		CE, IEC 62619, IEC 62040, IEC 62477 (Li-PRO 5120 not included)		

Note: Customized models and adjusted parameters are available upon request.

PowerLine Series

51.2V LiFePO4 Solar Wall Batteries



- Cobalt Free Lithium Iron Phosphate (LFP) Battery
- Compact Size Design, Saving Space
- 1C Continuous Discharge Rate
- Modular Design, Up to 32 in Parallel
- Ultra-thin Design, Just 90MM
- 10 Years Warranty > 6000 Cycles

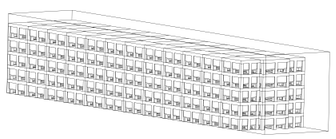
PowerLine Series wall-mounted battery boasts a 5kWh energy storage capacity and stands out with its ultra-thin design. Its slim appearance not only saves installation space but also blends seamlessly into any home environment, combining practicality with aesthetics. It uses highly safe $LiFePO_4$ cells and an intelligent management system, it provides reliable and stable green energy storage for families, making energy storage less bulky.

Packing Configuration		
Carton Dimensions	790*592*170mm	
Container	20'GP	40'GP
Pieces Per Pallet	9	9
Pallets Per Container	20	48
Pieces Per Container	180	432



20'GP

180 Pieces Container



40'GP

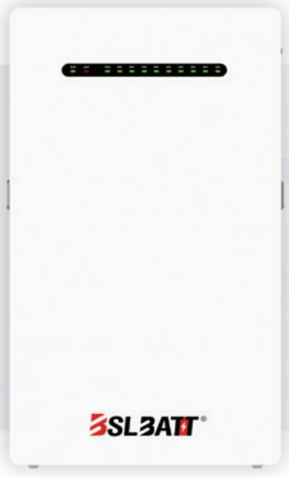
432 Pieces Container

Model		PowerLine-5
Nominal energy		LiFePO4
Nominal Voltage (V)		51.2
Nominal Capacity (Wh)		5120
Usable Capacity (Wh)		4864
Cell & Method		16S1P
Dimension (mm)(W*D*H)		540*90*700 (±3)
Weight (Kg)		48.3 ±1%
Discharge Voltage (V)		47
Charge Voltage (V)		55
Charge	Rated Current / Power	80A / 4.096kW
	Peak Current / Power	110A / 5.632kW
Discharging	Rated Current / Power	100A / 5.12kW
	Max. Current / Power	120A / 6.144kW, 1s
	Peak Current / Power	150A / 7.68kW, 1s
Communication		RS232, RS485, CAN, WIFI, Bluetooth
Depth Of Discharge (%)		95%
Scalability		Up to 32 units in parallel
Working Temperature	Charge	0~55℃
	Discharge	-20~55℃
Storage Temperature		0~35℃
Short Circuit Current /Duration Time		350A, Delay time 500μs
Cooling Type		Natural
Protection Level		IP20
Monthly Self-discharge		≤ 3%/month
Humidity		≤ 60% ROH
Altitude (m)		< 4000
Warranty		10 Years
Design Life		> 15 Years（25℃ / 77℉）
Cycle Life		> 6000 cycles, 25℃
Transport Certificates		UN38.3, MSDS
Safety Certifications		CE

Note: Customized models and adjusted parameters are available upon request.

B-LFP48-130PW ECO

51.2V Energy Storage Wall Battteries

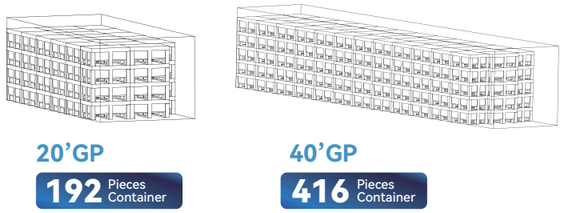




- Scalable, Up to 32 in Parallel
- 5 Years Warranty > 6000 Cycles
- 1.5C Discharge Rate，2C (Optional)
- Tier 1 EVE Automotive Grade A Cells
- Built-in Pre-charge Resistor (Optional)
- Built-in Fire Fighting System (Optional)

The 130PW ECO series is a cost-effective wall-mounted battery designed for modern households and installers. Each cell has a 51.2V, 6.5kWh capacity. It utilizes BSLBATT's proprietary EVE 127Ah cells and boasts a high 2C discharge rate, providing reliable instantaneous power and long-term stability.

Packing Configuration		
Carton Dimensions	856*536*189mm	
Container	20'GP	40'GP
Pieces Per Pallet	8	8
Pallets Per Container	24	52
Pieces Per Container	192	416



20'GP
192 Pieces Container

40'GP
416 Pieces Container

Model	B-LFP48-130PW ECO	
Battery Type	LiFePO4	
Nominal Voltage (V)	51.2	
Nominal Capacity (Wh)	6500	
Usable Capacity (Wh)	6175	
Cell & Method	16S1P	
Dimension (mm)(W*D*H)	460*120*780 (±3)	
Weight (Kg)	55 ±1%	
Discharge Voltage (V)	47	
Charge Voltage (V)	55	
Charge	Max. Current / Power	160A / 8.192kW
Discharge	Max. Current / Power	200A / 10.240kW [2C (optional)]
	Recommend Current / Power	127A / 6.502kW [2C (optional)]
Communication	RS232, RS485, CAN, WIFI, Bluetooth	
Depth Of Discharge (%)	95%	
Scalability	Up to 32 units in parallel	
Working Temperature	Charge	0~55℃
	Discharge	-20~55℃
Storage Temperature	0~35℃	
Short Circuit Current/Duration Time	Enable	
Cooling Type	Natural	
Protection Level	IP20	
Monthly Self-discharge	≤ 3%/month	
Humidity	≤ 60% ROH	
Altitude (m)	< 2000	
Warranty	5 Years	
Design Life	> 10 Years（25℃ / 77℉）	
Cycle Life（25±2℃）	> 6000 cycles	
Transport Certificate	UN38.3, MSDS	

PowerNest LV Series

All in One LV Integrated Energy Storage System



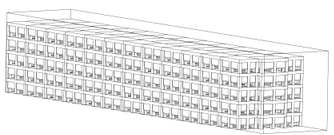
- All-in-one Design for Easy Installation
- Save Costs for Installers
- Tailor-made Energy Storage System
- Simplifies The Installation Process and Saves Time
- Suitable for Off-grid and Residential ESS
- Compatible with 5-15kw Inverters
- IP54 Outdoor Protection Level

BSLBATT's independently developed integrated energy storage system is fully compatible with both 5kWh and 10kWh rack batteries, providing customers with a pre-installed and optimally configured battery solution.

The system features comprehensive internal wiring and protection features, seamlessly integrating with mainstream 5–15kW inverter models for more efficient installation and flexible deployment.

This integrated design enhances overall stability and safety, reducing installation complexity for dealers and installers, and providing end users with a more reliable clean energy experience.

Packing Configuration	LV35
Wooden Box Dimensions	860*760*2440mm
Container	40'GP
Pieces Per Pallet	1
Pallets Per Container	30
Pieces Per Container	30



40'GP

30 Pieces Container

Model	LV15	LV20	LV25	LV35
Battery Parameters				
Cell	100Ah			
Rated Voltage	51.2V			
Combination	3P*16S1P	4P*16S1P	5P*16S1P	7P*16S1P
Rated Energy	15.36kWh	20.48kWh	25.6kWh	35.84kWh
PV Parameters				
Max. Input Power	6.5kW	10.4kW	13kW	22.5kW
MPPT Voltage Range	150V~425V	150V~425V	200V~650V	200V~650V
Input Rated Voltage	370V		550V	
Max. Input Current Per MPPT	13A+13A	26A+26A	26A+13A	36A+20A
Number Of MPPT	2/1+1	2/2+2	2/2+1	2/2+1
AC Parameters				
Rated AC Power	5kW	8kW	10kW	15kW
Rated AC Input/output Current	22.7A/21.7A	36.4A/34.8A	15.2A/14.5A	22.8A/21.8A
Rated AC Voltage	220V/230V 0.85Un-1.1Un		380V/400V 0.85Un-1.1Un	
Grid Connection	L+N+PE		3L+N+PE	
Voltage Frequency	50Hz/60Hz			
Power Factor	-0.8~0.8			
General Parameters				
Operating Temperature Range	-20~55℃			
Operating Humidity	0%~95%RH (Non-condensing)			
Altitude	2000m			
Cooling Method	Intelligent air-cooled			
Communication Interface	RS232，RS485, CAN			
Number of Cycles	＞6000 cycles, 25℃			
Protection Level	IP54			
Dimension (mm)(W*D*H)	700*800+1600 (±5)	700*800+1800 (±5)	700*800+1900 (±5)	700*800+2300 (±5)
Weight(kg)	311 ±3%	384 ±3%	451 ±3%	587 ±3%

Note: Customized models and adjusted parameters are available upon request.

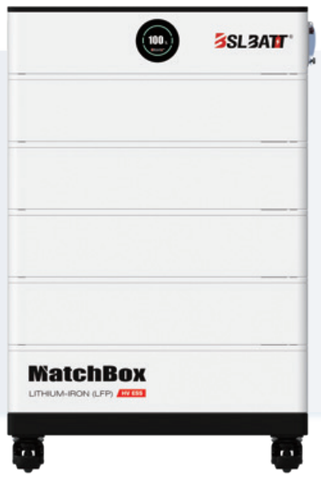
Cabinet is Compatible with the Following inverter Brands

victron energy · GOODWE · STUDER · solis inverters · LUXPOWER TEK · SAJ · TBB POWER · Deye · phocos · Afore · SUN SYNK · SOLAX POWER

307.2V - 716.8V, 15.97kWh - 37.27kWh

MatchBox HVS Series

High Voltage Stackable System



- Cobalt Free Lithium Iron Phosphate (LFP) Battery
- Built-in Fire Protection System (Optional)
- Max.5 MatchBox HVS in Parallel
- Modular Design, Plug and Play
- CCS Standard Battery Module
- 10 Years Warranty > 6000 Cycles

The BSLBATT high-voltage stackable battery features a modular design, with each pack offering 102.4V and 52Ah, allowing for flexible combinations to meet varying capacity requirements. Designed specifically for three-phase residential energy storage systems, it provides stable and efficient power output while balancing performance and safety.

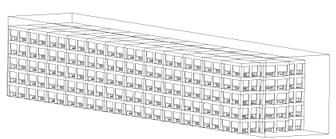
The compact stackable structure facilitates installation and expansion, making home energy storage systems both flexible and reliable, while supporting long-term, efficient operation. It is an ideal solution for homes seeking high performance and high availability.

Packing Configuration	HVS7	
Wooden Box Dimensions	745*430*220mm	
Container	20'GP	40'GP
Pieces Per Pallet	1	1
Pallets Per Container	22	46
Pieces Per Container	33	69



20'GP

33 Pieces Container



40'GP

69 Pieces Container



Model	HVS3	HVS4	HVS5	HVS6	HVS7
Rated Voltage (V)	307.2	409.6	512	614.4	716.8
Cell Model (LFP-3.2V)	52Ah				
Battery Pack	32S1P 102.4V 5.32kWh				
System Configuration	96S1P	128S1P	160S1P	192S1P	224S1P
Number of Modules	3	4	5	6	7
Nominal Capacity (kWh)	15.97	21.29	26.62	31.94	37.27
Usable Capacity (kWh)	15.17	20.22	25.28	30.34	35.40
Charge Upper Voltage (V)	336	448	560	672	784
Discharge Lower Voltage (V)	268.8	358.4	448	537.6	627.2
Recommended Current	26A				
Rated DC Power (kW)	7.98	10.64	13.31	15.97	18.63
Maximum Charging Current	48A				
Maximum Discharging Current	52A				
Dimensions (mm)(W*D*H)	665*370*732 (±5)	665*370*881 (±5)	665*370*1031 (±5)	665*370*1180 (±5)	665*370*1330 (±5)
Weight	160kg ±3%	205kg ±3%	250kg ±3%	295kg ±3%	340kg ±3%
Communication Protocol	CAN BUS (Baud rate @500Kb/s @250Kb/s) / Mod bus RTU (@9600b/s)				
Host Software Protocol	CAN BUS (Baud rate @250Kb/s) / Wifi / Bluetooth				
Operation Temperature Range	Charge: 0~50℃				
	Discharge: -10~55℃				
Cycle Life	> 6000 cycles				
Protection Level	IP65				
Depth Of Discharge (%)	95%				
Storage Tempearture	0℃~35℃				
Storage Humidity	10%RH~90%RH				
Internal Impedance	≤1Ω				
Warranty	10 years				
Service Life	15-20 years				
Multi-group	Max. 5 systems in parrallel				

Certification

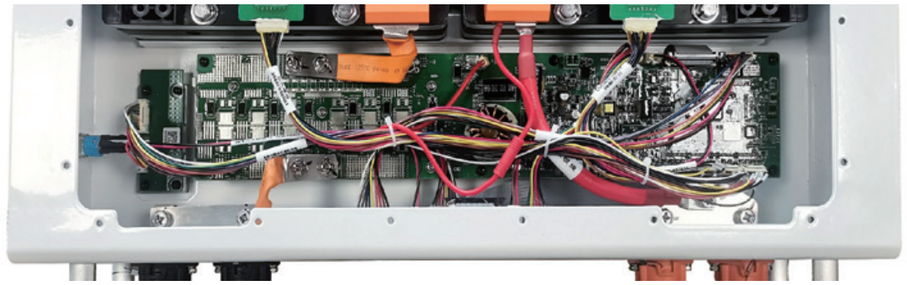
Safety Certifications	CE, IEC 62619, IEC 62040, IEC 62477 CEC Listed
Hazardous Materials Classification	Class 9
Transport Certificates	UN38.3, MSDS

Battery Manager System(BMS)

Leading Smart BMS



- 50A-300A Multiple Discharge Rate Options
- Over 40+ Adaptive Inverter Protocol Selection
- Core Monitoring & Control
- System Communication Hub
- Data Intelligence & Logging
- Remote Management & Updates



Core Monitoring & Control

Real-time monitoring of battery voltage current, temperature and other parameters, and control according to the set parameter range.

System Communication Hub

Receive control instructions from the external system and send battery status information, and process the received instructions and information.

Data Intelligence & Logging

Process and analyze the collected battery parameters, and record and store the battery's operating status and historical data.

Remote Management & Updates

Remote real-time monitoring, online parameter setting OTA software upgrade.

BSL Cloud

APP Monitoring

- Dynamic Power Flow & Generation Report
- Real-time Monitoring & Comprehensive Visualization
- Multi-termina Compatibility & Sharing
- Remote OTA Upgrade Reduce Maintenance Costs
- Integrated After-sales Service
- Backup Function & Data Encryption

BSL Cloud

Clound Energy Management

We're Using BSL Cloud to Simplify Your Life.

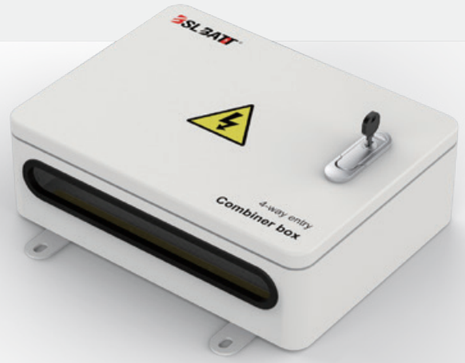
BSL Cloud is a comprehensive device management and monitoring solution designed for distributors, installers, and end-users.

Our software and apps are ideal for managing large-scale power stations and commercial and industrial energy storage systems.



Battery DC Combiner Box

- **Flexibly expands total system capacity and improves power supply reliability.**



It simplifies battery system wiring and provides critical safety protection, making it an ideal choice for building modular, scalable, and highly reliable battery energy storage systems.



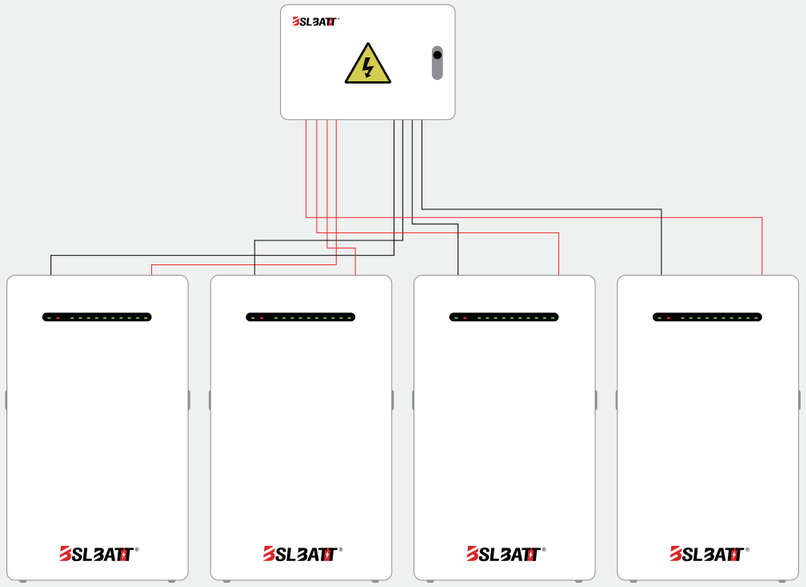
BOX-4



BOX-6



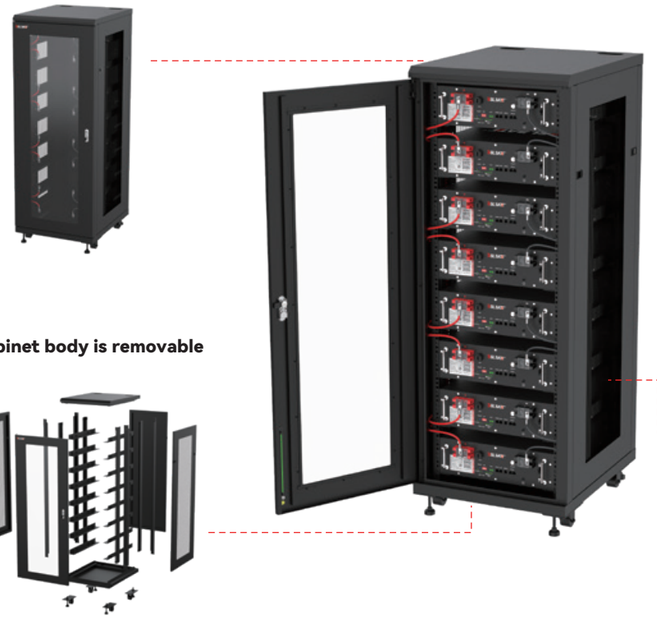
BOX-8





Rack Battery Cabinet

- Easy to install with minimal tools required Scalable to meet demands
- Capable of easy mobility and secure fixation Less footprint



Cabinet body is removable

Busbar (optional)











TRUSTED WORLDWIDE

Delivering Reliable Storage Solutions to

140,000+ Projects Globally



4* B-LFP48-200PW 40kWh



8* B-LFP48-170E 36kWh



3* PowerLine-5 15kWh



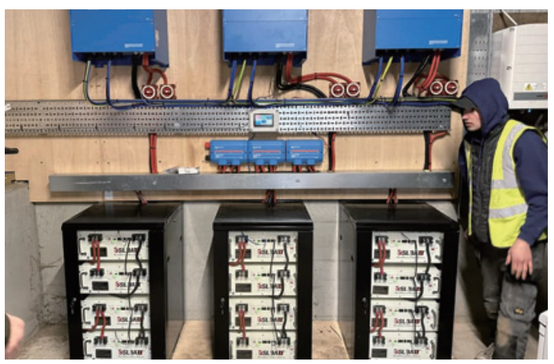
6* B-LFP48-200PW 60kWh



6* B-LFP48-200PW 60kWh



7* B-LFP48-200PW 70kWh



12* B-LFP48-100E 60kWh



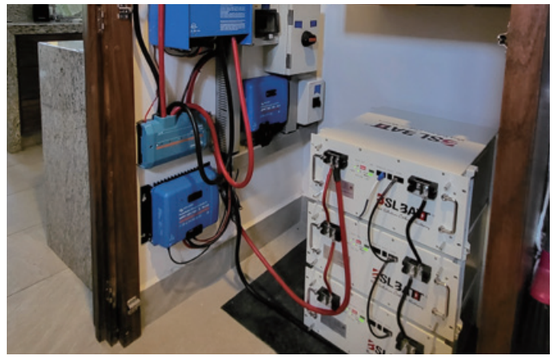
3* B-LFP48-200PW 30kWh



96kW Deye Inverter /
10*B-LFP48-300PW
153kWh / 120kWp Panel



10* B-LFP48-200E 107kWh



3* B-LFP48-100E 15kWh



3* B-LFP48-100E 15kWh



6* B-LFP48-100E 30kWh



1* B-LFP48-100PW 5kWh



2* B-LFP48-200PW 20kWh



4* B-LFP48-200E 40kWh



1* B-LFP48-200PW 10kWh



2* B-LFP48-200PW 20kWh



4* PowerLine-5 20kWh



2* PowerLine-5 10kWh



3* B-LFP48-100PW 15kWh



6* PowerLine -5 30kWh

Inverter Brands

Official Listing Partners

victron energy
Deye
STUDER
TBB POWER
solis inverters
GOODWE
LUX POWER TEK
Afore
phocos
SAJ
ATESS
SUN SYNK
SOLAX POWER
SOLINTEG
MEGAREVO
EPEVER
SRNE
FOX ESS
Solplanet
SOSEN INNOVATION

Inverter Brands

Compatible Brands

Growatt
Sol-Ark
Hi HYPONTECH
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KSTAR
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OutBack POWER
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SMA
SOFAR SOLAR
solaredge
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Your challenge, our mission.

Finished Product Display














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