

Fax: (+86)0755-84737145

Tex: (+86)130 0887 9993

Email: info@basengroup.com

Website: www.basenpower.com

Shenzhen Basen Technology Co., Ltd.

Add: Room 303,Building 3, 1980 Culture and Technology Industrial Park,
Donghuan Road,Longhua District,Shenzhen



Website



YouTube



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2024

**GREEN ENERGY TURNKEY
SOLUTION PROVIDER**

BASENGREEN POWER YOUR LIFE

COMPANY

BasenGreen is committed to the energy storage track of the global green new energy industry, focusing on the research and development, design, manufacturing, sales, and service of power storage products. It provides lithium ion battery products and integrated energy storage system solutions. These solutions are applied in scenarios such as the consumption of new energy power generation from wind and solar, grid-side peak regulation and frequency modulation, and auxiliary services, as well as peak shaving and valley filling on the user side, and microgrids. With over a decade of experience, the company is known for its quality, sales, and service, operating in over 100 countries. BASEN-GREEN values honesty, practicality, and excellence, building strong relationships with customers and suppliers worldwide.

2GWH

Annual Production Capacity

100%

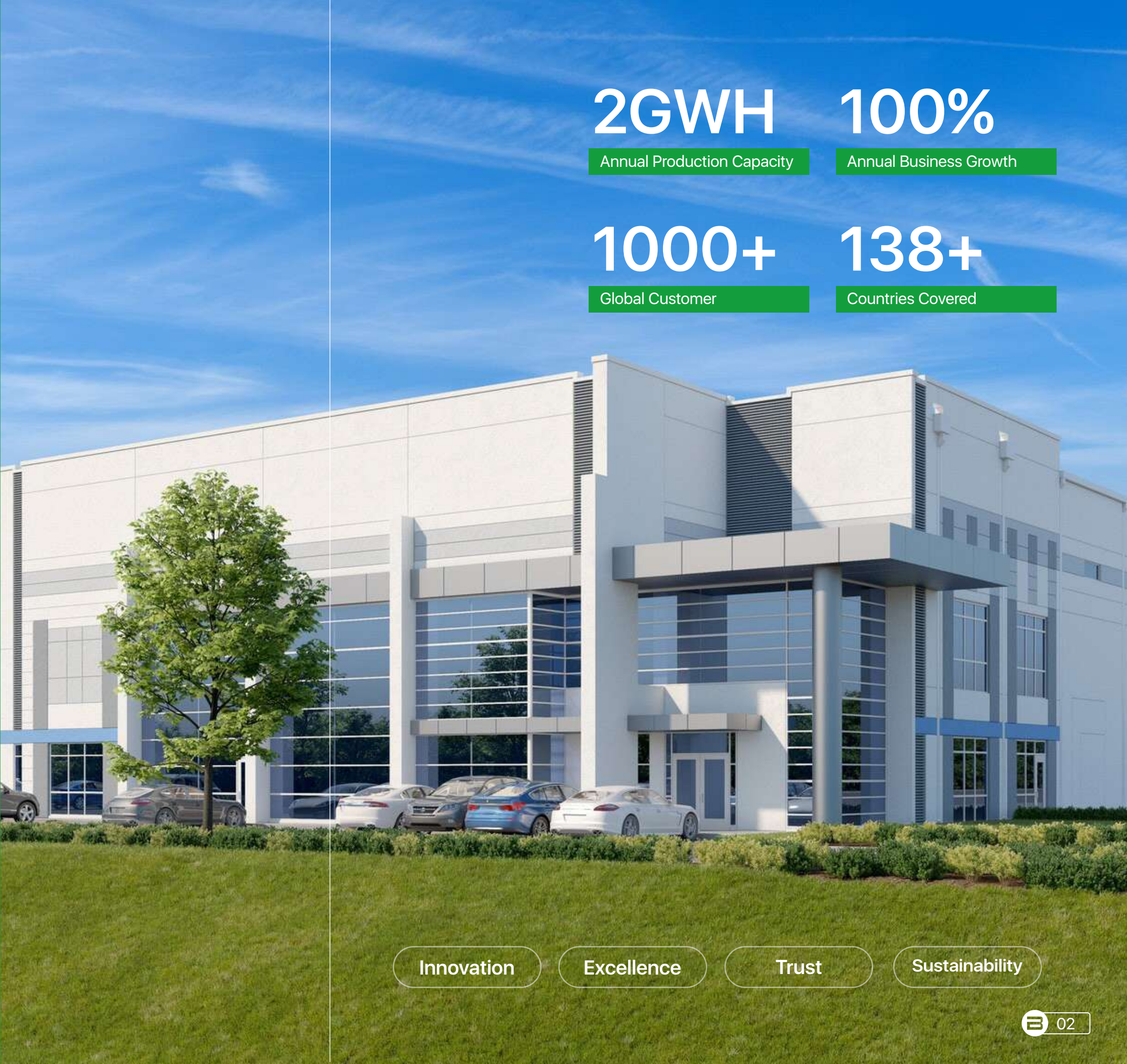
Annual Business Growth

1000+

Global Customer

138+

Countries Covered



Innovation

Excellence

Trust

Sustainability

Development

For over a decade, BASENGREEN has been dedicated to pursuing excellence and continuous improvement, evolving from 18650 batteries to advanced energy storage solutions. Our commitment to innovation, excellence, trust, and sustainability drives us to serve each customer with the highest standards. We strive to meet the diverse needs of our global clientele, ensuring reliable and cutting-edge solutions in every project.

- The foundation of Shenzhen Basen Technology Co.,Ltd
- Trading mainly in Lithium Battery product

2013

2016

- Annual sales revenue exceeded 1 million USD, showcasing significant growth and global market expansion
- Passed UN38.3,UL,ROHS,IEC certificates

2019

- Formally established a factory and initiated production
- Factory certified with ISO 9001, ISO 14001, and ISO 45001

2020

- Annual sales revenue has reached approximately 5 million USD, highlighting our strong growth and industry leadership.
- Established warehousing centers in Poland and the USA
- Founded our innovative brand, BASENGREEN

2023

- Annual sales revenue has achieved around 15 million USD, demonstrating our continued growth and success in the industry
- Developed a complete line of BASENGREEN residential energy storage solutions, garnering outstanding feedback in the European market
- Expanded with a new warehousing center in Germany

2024

- Established a repair center in Poland
- Expanded into new markets and participated in trade shows in Italy, Egypt, Jordan, and Germany
- Developed a range of new products,including high-voltage home energy storage solutions, golf batteries, and portable waterproof boat batteries. Additional innovative products are currently in development
- Obtained High-tech Enterprise identification

The future is endless , the struggle is endless

HOME ENERGY STORAGE SERIES



Wall-Mounted with Wheels



Wall-mounted Battery



Rack-mounted Battery



Push-Pull Cooling Battery



Stackable HV Battery



Stackable All-in-One



Wall-Mounted Stackable All-in-One



Stackable LV Battery



Wall-Mounted Stackable Battery

High voltage stack series

BR-HV-15.36KWH/BR-HV-20.48KWH
BR-HV-25.6KKWH/BR-HV-30.72KWH
BR-HV-35.84KWH/BR-HV-40.96KWH



20KWH

25KWH

30KWH

Features

CE

MSDS

UN38.3

Support multiple communication protocols
support RS485, RS232, CAN etc

LCD touch screen
LED lights display the parameters of the equipment in real time

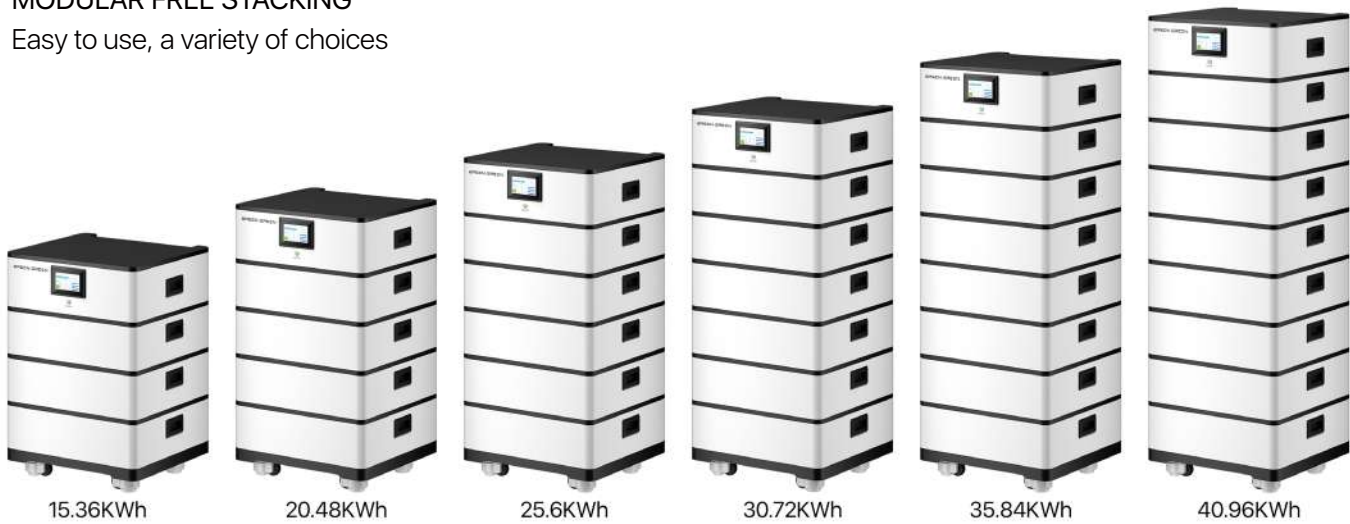
Modular structure
Easy to install and disassemble

Expandable to 100KWH
Allowing for a maximum storage capacity of 100KWH

Advanced BMS
Intelligent battery management system

Hybrid inverter
Compatible with hybrid inverters

MODULAR FREE STACKING
Easy to use, a variety of choices



Model	BR-HV-15.36KWH	BR-HV-20.48KWH	BR-HV-25.6KWH	BR-HV-30.72KWH	BR-HV-35.84KWH	BR-HV-40.96KWH
Nominal Capacity	15.36KWh	20.48KWh	25.6KWh	30.72KWh	35.84KWh	40.96KWh
Cell Matching	48S1P	64S1P	80S1P	96S1P	112S1P	128S1P
Working Voltage Range	124.8-172.8V	166.4-230.4V	208-288V	249.6-345.6V	291.2-403.2V	332.8-460.8V
Nominal Voltage	153.6V	204.8V	256.0V	307.2V	358.4V	409.6V
Weight	175kg/202kg	223kg/252kg	271kg/301kg	319kg/351kg	367kg/401kg	415kg/452kg
Dimension(WxDxH)	530*480*760mm	530*480*920mm	530*480*1080mm	530*480*1240mm	530*480*1400mm	530*480*1560mm
Battery Type	LFP(LiFePO4)					
Nominal Working Current	50A					
Communication Port	CAN/RS485					
Working Temperature Range	Charge:0-45C/Discharge:-10-50 C					
Waterproof	IP55					
Installation Method	Floor-standing					
Cycle Life	6000 times					
Peak Charge/Discharge Current	50A					
Discharge Rate of Module	≤3.5%/month/@25 C					
Module Series Connection /Module	8S~16S					
Parallel Connection	16 units in parallel					
Support Inverter Brand	Victron、Pylon、Deye、SMA、Growatt、Goodwe、MPP、Voltronicpower、Pchne、Sofarsolar、Megarevo.....					
Warranty	10 years					

All-in-one Energy Storage System Datasheet

BR-AIO-LV-DY 10.24KWH+5KW



Features

CE MSDS UN38.3

All-in-One Design

The system combines a single-phase 5 kW hybrid inverter with an expandable battery, simplifying installation and saving space

Easy Installation

The flat and stackable design, comes with a moveable base making installation quick and hassle-free

Smart Applications

Benefit from advanced features such as peak shaving, smart load management, and AC coupling, optimizing your energy usage and reducing costs

User-Friendly Control

Easily monitor and control the system via App, PC, or Display

Energy Security

Fast switching time of 4 ms, the Energy Storage System ensures a reliable and uninterrupted power supply for your home

Modular and Scalable Battery

The lithium iron phosphate battery offers a capacity range of 10 kWh to 40 kWh, ensuring flexibility and safety. Expand your storage capacity as your energy needs grow

Model	BR-AIO-LV-DY 10.24KWH+5KW
Nominal Voltage(V)	51.2
Nominal Capacity(Ah)	200/230
Usable Capacity(Wh)	10240/11776
Dimension(mm)	800*650*680
Weight(Kg)	160
Cycle Life	≥6000@ 25 C
Working Temperature ℃	20~55
Charging Temperature ℃	0℃ ~ 45℃
Charge Voltage(V)	43.2~57.6
Internal Impedance(mΩ)	≤20
Charge / Discharge Current (A)	charge:100 discharge:100
PV StringInput Data	
Max. DC input Power	6500W
Rated pv Input Voltage	370V(125v-500w)
Start-up Voltage	125V
MPPT Voltage Range	150V-425V
Full Load DC Voltage Range	300V-425V
Pv input Current	13A+13A
Max.PV ISC	17A+17A
No.of MPPT Trackers	2
No.of Strings per MPp Tracker	1
AC Output Data	
Rated AC Output and UPS Power	5000W
Max. AC Output Power	5500W
AC Output Rated Curent	22.7A/21.7A
Max. AC Current	25A/23.9A
Max, Continwous AC Passthrough	35A
Peak Pauer (off grid)	2 time of rated power,10 S
Power Factor	0.8 leading to 0.8 lagging

All in one Energy Storage system Datasheet

BR-AIO-LV-SR 11KWH+10KW



Features

CE MSDS UN38.3

All-in-One Design

The system combines a single-phase 5 kW hybrid inverter with an expandable battery, simplifying installation and saving space

Easy Installation

The flat and stackable design making installation quick and hassle-free.

Smart Applications

Benefit from advanced features such as peak shaving, smart load management, and AC coupling, optimizing your energy usage and reducing costs.

User-Friendly Control

Easily monitor and control the system via App, PC, or Display.

Energy Security

Fast switching time of 10 ms, the Energy Storage System ensures a reliable and uninterrupted power supply for your home.

Modular and Scalable Battery

The lithium iron phosphate battery offers a capacity range of 10 kWh to 40 kWh, ensuring flexibility and safety. Expand your storage capacity as your energy needs grow.

Model	BR-AIO-LV-SR 11KWH+10KW
Nominal Voltage(V)	51.2
Nominal Capacity(Ah)	200/230
Usable Capacity(Wh)	10240/11776
Dimension(mm)	610*250*1410
Weight(Kg)	165
Cycle Life	≥6000@ 25 C
Working Temperature ℃	20~55
Charging Temperature ℃	0℃ ~ 45℃
Charge Voltage(V)	43.2~57.6
Internal Impedance(mΩ)	≤20
Charge / Discharge Current (A)	Charge:200 Discharge:200
PV INPUT	
Num. of MPP Trackers	2
Max. PV array Power	5,500W+5,500W
Max. input Current	22A+22A
Max.Voltage of Open Circuit	500Vdc+500Vdc
MPPT Voltage Range	125~425Vdc+125~425Vdc
MAINS/GENERATORINPUT	
Input Voltage Range	90~275Vac
Frequency Range	50/60Hz
Bypass Overload Current	63A
INVERTER OUTPUT	
Rated Output Power	10,000W
Max. Peak Power	15,000W
Rated Output Voltage	230Vac (single-phase)
Load Capacity of Motors	6HP
Rated AC Frequency	50/60Hz
Waveform	Pure Sine Wave
Switch Time	10ms (typical)
Parallel capacity	1~6 units (single-phase/three-phase)

51.2V Rack-mounted LiFePO4 Series

BR-RM-LV 5KWH

BR-RM-LV 6.4KWH

BR-RM-LV 11.77KWH

BR-RM-LV 15.36KWH



15.36KWH

11.77KWH

6.4KWH

5KWH

Features

CE

MSDS

UN38.3

Convenient

Modular design and installation,
easy to use

Intelligent BMS

with Wifi and bluetooth function

Safe and reliable

10 years warranty, 15 years
service life

Flexible configuration

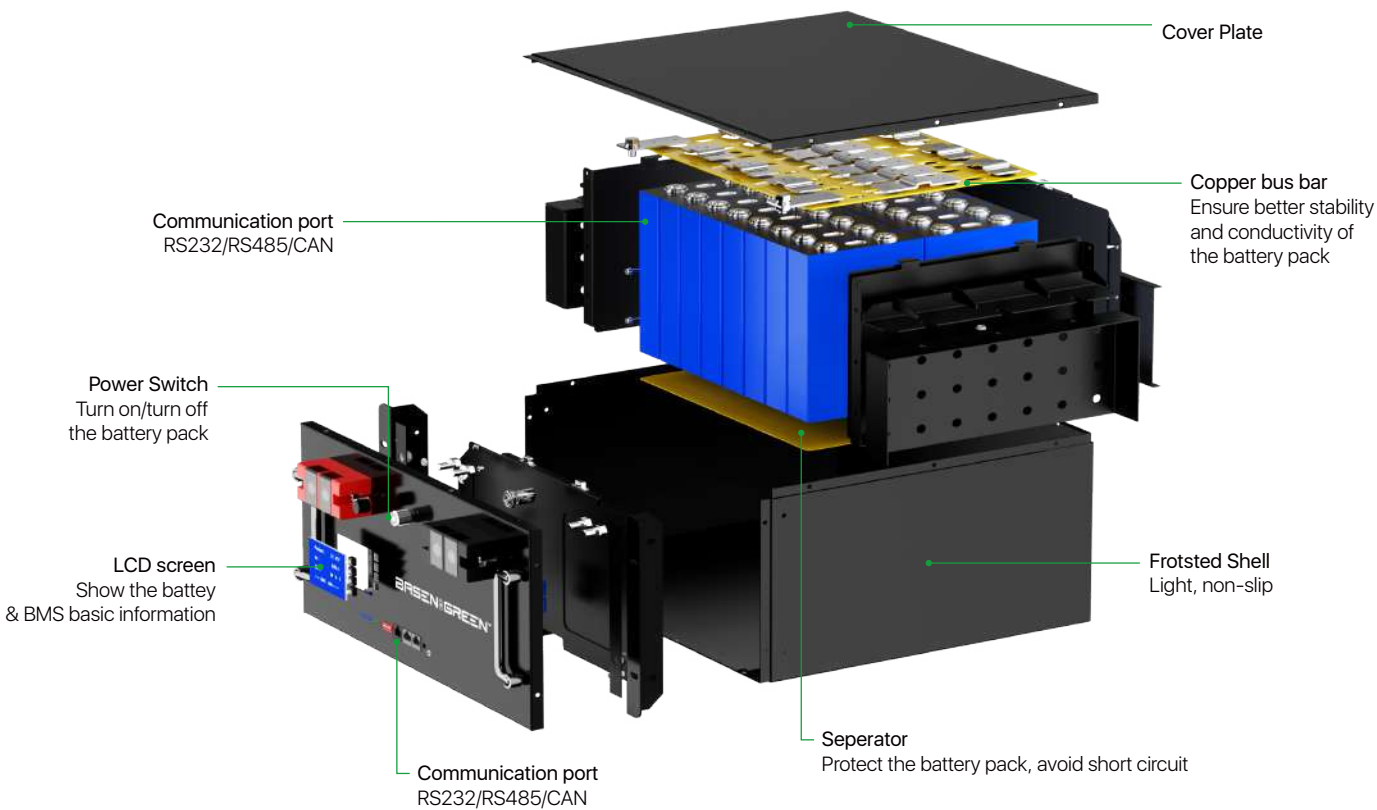
Maximum support 16pcs
in parallel connection

Wide temperature

-20°C to 55°C working temperature

Perfect Match

Compatible with inverters of most
main stream brands on the market



Model	BR-RM-LV 5KWH	BR-RM-LV 6.4KWH	BR-RM-LV 11.77KWH	BR-RM-LV 15.36KWH
Battery Chemistry	Lithium-iron Phosphate (LiFePO4)			
Rated Voltage	51.2V			
Operating Voltage Range	43.2V - 57.6V			
Charge /Discharge Cut-off Voltage	58.4V/43.2V			
Capacity	100Ah	125Ah	230Ah	300Ah
Energy	5120kWh	6144kWh	1177kWh	1536kWh
Max. Cont. Charge/discharge Current	100A or Customized	100A or Customized	200A or Customized	200A or Customized
Dimension(L*W*H)	482*415*222mm	482*415*222mm	480*618*248mm	475*770*255mm
Weight Approximate	51KG	51KG	88KG	122KG
Parallel connection	Support maximum 15 parallels			
Charge Temperature Range	0°C~60°C (Optional: Under 0°C extra heating mechanism)			
Discharge Temperature Range	-20°C~60°C (Under 0°Cwork with reduced capacity)			
Storage Temperature Range	-40°C~55°C @ 60% ± 25% relative humidity			
Compatible Inverters	SMA, Victron Energy, Deye, Goodwe, Growatt, Sermatec, etc.			

51.2V Stackable Battery Series

BR-BOX-LV 5KWH/10KWH/20KWH/30KWH



30KWH

20KWH

10KWH

5KWH

Features

CE

MSDS

UN38.3

Deep cycle life

More than 6000 cycle times @80% DOD

Easy to install and use

Plug and play to minimize the installation time and cost

Intelligent BMS

Supported Bluetooth & Wifi function

Modularization

It supports 16 pcs in parallel connection

Communication

RS232,RS485 and CAN

Compatibility

Compatible with most of the major brands hybrid inverters



Communication port: RS485/RS232/CAN

Positive terminal

Negative terminal



Model	BR-BOX-LV 5KWH	BR-BOX-LV 10KWH	BR-BOX-LV 20KWH	BR-BOX-LV 30KWH
Battery Chemistry	LiFePO4 Battery (Lithium iron Phosphate Battery)			
Rated Voltage	51.2V			
Operating Voltage Range	43.2V - 57.6V			
Charge /Discharge Cut-off Voltage	58.4V/43.2V			
Capacity	100Ah	200Ah	400Ah	600Ah
Energy	5kWh	10kWh	20kWh	30kWh
Max. Cont. Charge/discharge Current	100A			
Dimension	530*500*170mm	530*500*405mm	530*500*745mm	530*500*1085mm
Weight Approximate	51KG	102KG	204KG	306KG
Charge Temperature Range	0-45 °C (Optional: Under 0°C extra heating mechanism)			
Discharge Temperature Range	-20-60°C (Under 0°C work with reduced capacity)			
Storage Temperature Range	-40°C~-55°C @ 60% ± 25% relative humidity			
Communication interface	RS232 / RS485 / CAN			
Compatible Inverters	SMA, Victron Energy, Deye, Goodwe, Growatt, Sermatec, etc.			
Optional Accessories	Movable Base / Parallel Line(30cm) / RS485 Communication Line			

51.2V Stackable Battery Series

BR-WS-LV 5KWH/10KWH/15KWH



5KWH

10KWH

15KWH

Features

CE

MSDS

UN38.3

Long life and safety

More than 6000 cycle times @80% DOD

Easy to install and use

Plug and play to minimize the installation time and cost

Communication

supported RS232,RS485 and CAN

Modularization

it supports 16 pcs in parallel connection

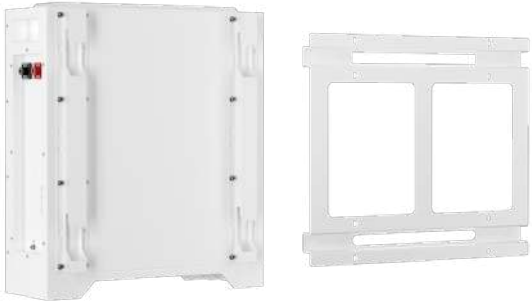
Compatibility

Compatible with most of the major brands hybrid inverters

Diversified Use

wall mounted & Stack, space saving

TWO MOUNTING OPTIONS



Mounting on the wall

Vertical stacking installation



Model	BR-WS-LV 5KWH	BR-WS-LV 10KWH	BR-WS-LV 15KWH
Nominal voltage	51.2V	51.2V	51.2V
Nominal capacity	5kWh	10kWh	15kWh
Battery Chemistry	Lithium-iron Phosphate (LiFePO4)		
Dimension (L*W*H)	470*175*490mm	470*175*1005mm	470*175*1495mm
Weight Approximate	53KG (5KWH)	101KG (10KWH)	150KG (15KWH)
Operating Voltage Range	43.2V - 57.6V		
End of Charge/Discharge Voltage	58.4V/43.2V		
Nominal Discharge Current	100A/Module		
Max. Pulse Discharge Current	200A(3S)/Module		
Charge Temperature Range	0-45℃ (Optional: Under 0℃ extra heating mechanism)		
Discharge Temperature Range	-20-60℃ (Under 0℃ work with reduced capacity)		
Storage Temperature Range	-10℃~45℃ @ 60% ± 25% relative humidity		
Built in BMS	Charge Protection, Over charge Protection, Over Discharge Protection, Short Circuit Protection		
Compatible Inverters	SMA, Victron Energy, Deye, Goodwe, Growatt, Sermatec, etc.		

51.2V Wall-mounted LiFePO4 Series

- BR-OW-LV 11.7KWH
- BR-OW-LV 14.3KWH
- BR-OW-LV 15.3KWH
- BR-OW-LV 16KWH



Features

IEC 62619 CE MSDS UN38.3

Reassuring Foundation

Adopted the most stable and safe lithium iron phosphate (LiFePO4) battery

Readily Available

Equipped with RS232/ RS485/ CAN bus ports, the most important with bluetooth and WIFI function

APP Monitoring

Remote diagnosis and real-time data monitoring

High Cost Performance

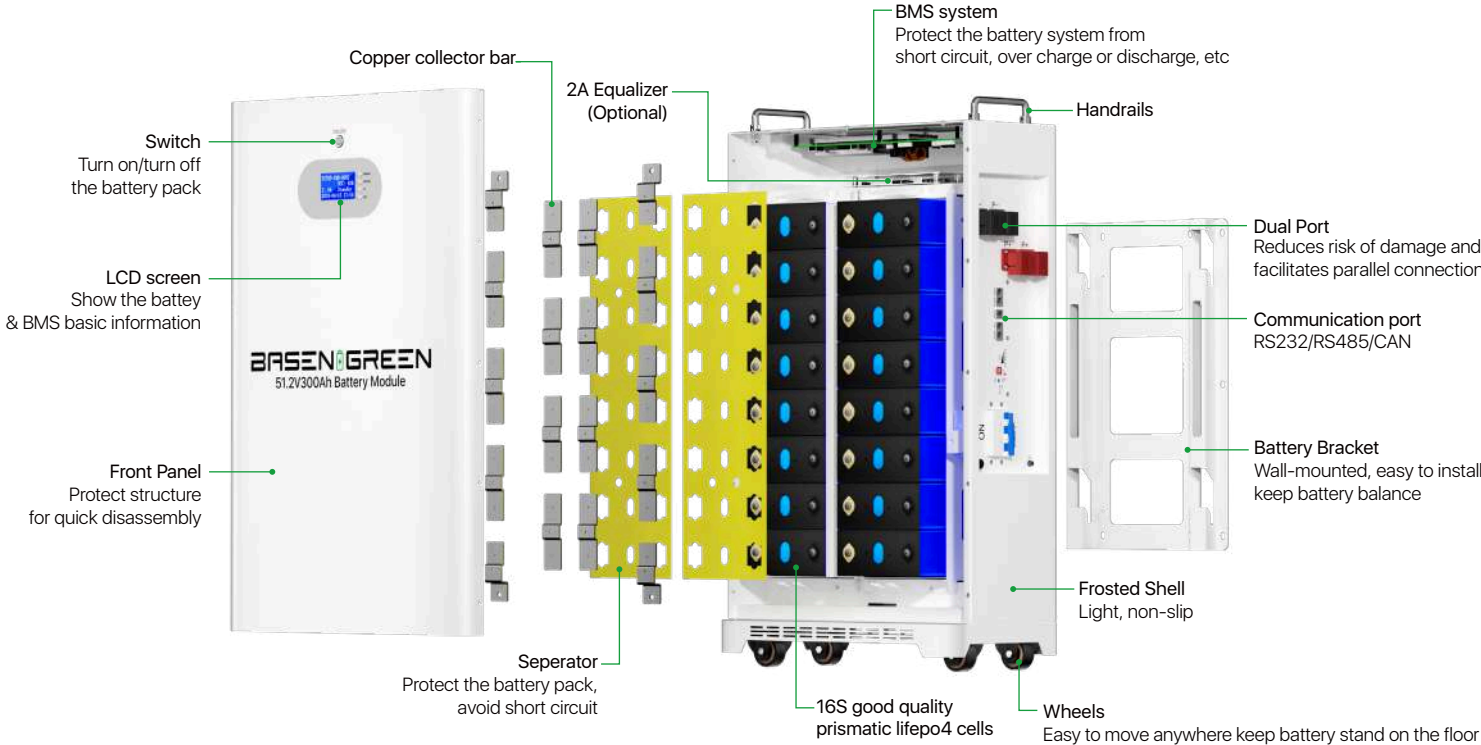
More than 6000 cycles, 15 years service life, providing long-term energy for your home

Arbitrary Placement

Roller design allows it to be placed anywhere in the home or in blind spots

Perfect Match

Compatible with inverters of most main stream brands on the market



Model	BR-OW-LV 11.77KWH	BR-OW-LV 14.3KWH	BR-OW-LV 15.3KWH	BR-OW-LV 16KWH
Battery Chemistry	Lithium-iron Phosphate (LiFePO4)			
Rated Voltage	51.2V			
Operating Voltage Range	43.2V - 57.6V			
Charge /Discharge Cut-off Voltage	58.4V/43.2V			
Display Mode	LED Display	LED Display	LED Display	LCD Touch Screen
Cycle Life	≥6000@ 25 C	≥6000@ 25 C	≥10000@ 25 C	≥8000@ 25 C
Capacity	230Ah	280Ah	300Ah	314Ah
Energy	11.776kWh	14.336kWh	15.36kWh	16kWh
Dimension(L*W*H)	500*232*670mm	475*255*770mm	475*255*770mm	475*255*770mm
Weight Approximate	96KG	112KG	112KG	112KG
Max. Cont. Charge/discharge Current	200A or Customized			
Parallel connection	Support maximum 16 parallels			
Charge Temperature Range	0℃~60℃ (Optional: Under 0℃ extra heating mechanism)			
Discharge Temperature Range	-20℃~60℃ (Under 0℃ work with reduced capacity)			
Storage Temperature Range	-40℃~55℃ @ 60% ± 25% relative humidity			
Compatible Inverters	SMA, Victron Energy, Deye, Goodwe, Growatt, Sermatec, etc.			

51.2V Wall-mounted LiFePO4 Series

BR-WM-LV 5KWH

BR-WM-LV 10KWH



5KWH

10KWH

Features

CE

MSDS

UN38.3

Reassuring Foundation

Adopted the most stable and safe lithium iron phosphate (LiFePO4) battery

High Safety

Build-in BMS, protection functions of discharge, over charge, over current, high temperature and low temperature

All in Control

Equipped with RS232/ RS485/ CAN bus ports, the most important with bluetooth and WIFI function

High Cost Performance

More than 6000 cycles, 15 years service life, providing long-term energy for your home

Arbitrary Extension

The same capacity of the battery can be freely expanded to meet the electricity demand in an all-round way

Perfect Match

Compatible with inverters of most main stream brands on the market

Model	BR-WM-LV 5KWH	BR-WM-LV 10KWH
Cell Technology	Lithium-iron Phosphate (LiFePO4)	
Nominal Energy	5kWh	10kWh
Nominal Voltage	51.2V	51.2V
Nominal Capacity	100Ah	200Ah
Dimensions(L/W/H)	530*450*242mm	630*510*245mm
Weight	60kg	97kg
Max Charge Current	100A	
Max. Cont. Charge Current	100A	
Max Discharge Current	100A	
Max. Cont. Discharge Current	100A	
Operating Voltage Range	43.2V - 57.6V	
Charge Cut-Off Voltage	58.4V	
Discharge Cut-Off Voltage	43.2V	
Installation	Indoor	
Warranty	10 Years Product Warranty 15 Years Performance Warranty	
Round-Trip Efficiency	98%	
Scalability	Max. 16 Modules in Parallel	
Cycle Life	≥6000 Times (80%DoD)	
Service Life	15 Years	
Protection Rating	IP55	
Display	SOC Status Indicator, LED Indicator	
Communication	RS485, RS232, CAN	
Charge Temperature Range	0°C~60°C	
Discharge Temperature Range	-20°C~60°C (Under 0°C work with reduced capacity)	
Storage Temperature Range	-40°C~55°C @ 60%±25% relative humidity	
Compatible Inverters	SMA, Victron Energy, Deye, Goodwe, Growatt, Sermatec, etc.	

51.2V Push-Pull Cooling Model Series

BR-PC-LV 15KWH

BR-PC-LV 30KWH



15KWH

30KWH

Features

CE

MSDS

UN38.3

Reassuring Foundation

Adopted the most stable and safe lithium iron phosphate (LiFePO4) battery

High Safety

Build-in BMS, protection functions of discharge, over charge, over current, high temperature and low temperature

All in Control

Equipped with RS232/ RS485/ CAN bus ports, the most important with bluetooth and WIFI function

High Cost Performance

More than 6000 cycles, 15 years service life, providing long-term energy for your home

Arbitrary Extension

The same capacity of the battery can be freely expanded to meet the electricity demand in an all-round way

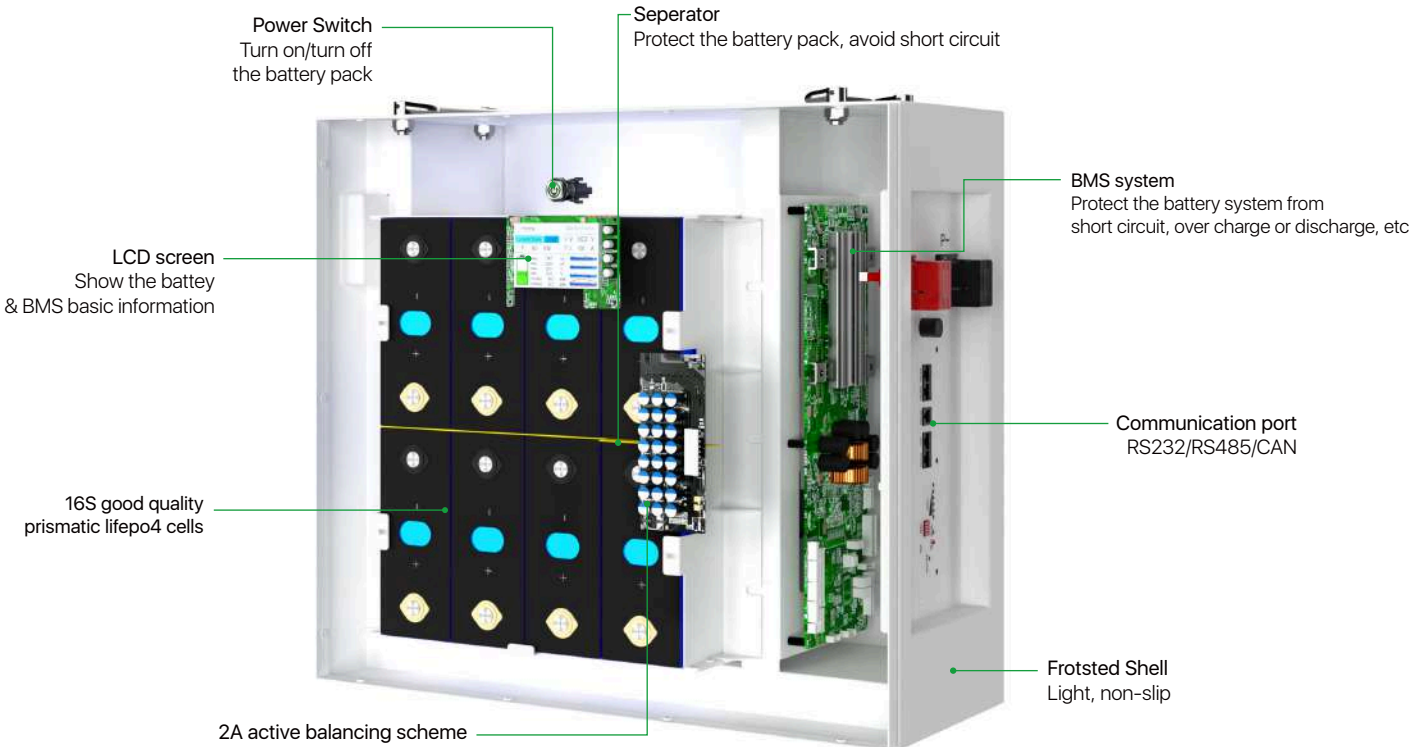
Perfect Match

Compatible with inverters of most main stream brands on the market

Model	BR-PC-LV 15KWH	BR-PC-LV 30KWH
Cell Technology	Lithium-iron Phosphate (LiFePO4)	
Nominal Energy	15kWh	30kWh
Nominal Voltage	51.2V	51.2V
Nominal Capacity	300Ah	600Ah
Dimensions(L/W/H)	620*285*770mm	885*470*620mm
Weight	112kg	214kg
Max Charge Current	200A	
Max. Cont. Charge Current	200A	
Max Discharge Current	200A	
Max. Cont. Discharge Current	200A	
Operating Voltage Range	43.2V - 57.6V	
Charge Cut-Off Voltage	58.4V	
Discharge Cut-Off Voltage	43.2V	
Installation	Indoor	
Warranty	10 Years Product Warranty 15 Years Performance Warranty	
Round-Trip Efficiency	98%	
Scalability	Max. 16 Modules in Parallel	
Cycle Life	≥8000 Times (80%DoD)	
Service Life	15 Years	
Protection Rating	IP55	
Display	SOC Status Indicator, LED Indicator	
Communication	RS485, RS232, CAN	
Charge Temperature Range	0℃~60℃	
Discharge Temperature Range	-20℃~60℃ (Under 0℃ work with reduced capacity)	
Storage Temperature Range	-40℃~55℃ @ 60%±25% relative humidity	
Compatible Inverters	SMA, Victron Energy, Deye, Goodwe, Growatt, Sermatec, etc.	

BasenGreen Wall Mounted Energy Storage System

BR-WM-LV 2.56KWH
BR-WM-LV 5.88KWH
BR-WM-LV 7.68KWH



Features

CE MSDS UN38.3

- Convenient**
Modular design and installation, easy to use
- Intelligent BMS**
with Wifi and bluetooth function
- 5A active equalizer**
Improve efficiency/ extend your life
Enhance security/ Optimize performance

- Flexible configuration**
Maximum support 16pcs in parallel connection
- Wide temperature**
-20°C to 55° working temperature
- Perfect Match**
Compatible with inverters of most main stream brands on the market

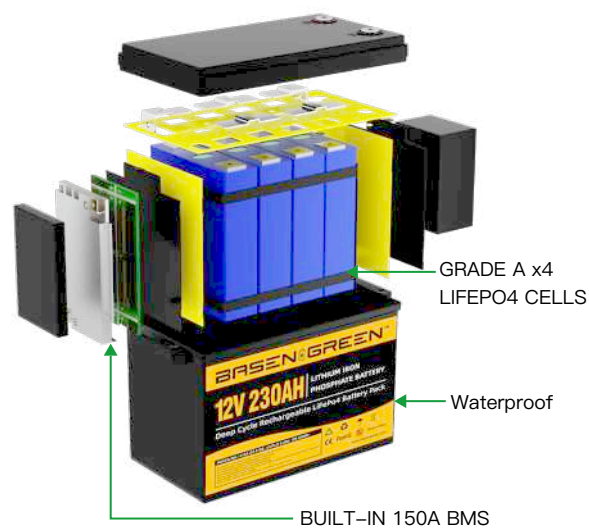
Model	BR-WM-LV 2.56KWH	BR-WM-LV 5.88KWH	BR-WM-LV 7.68KWH
Battery Chemistry	Lithium-iron Phosphate (LiFePO4)		
Rated Voltage	25.6V		
Operating Voltage Range	21.6V-28.8V		
Charge /Discharge Cut-off Voltage	20V~29.2V		
Capacity	100Ah	230Ah	300Ah
Energy	2.56kWh	5.88kWh	7.68kWh
Max. Cont. Charge/discharge Current	100A or Customized	200A or Customized	200A or Customized
Dimension(L*W*H)	482*415*222mm	480*618*248mm	475*770*255mm
Weight Approximate	51KG	88KG	122KG
Parallel connection	Support maximum 16 parallels		
Charge Temperature Range	0°C~60°C (Optional: Under 0°C extra heating mechanism)		
Discharge Temperature Range	-20°C~60°C (Under 0°Cwork with reduced capacity)		
Storage Temperature Range	-40°C~55°C @ 60% ± 25% relative humidity		
Compatible Inverters	SMA, Victron Energy, Deye, Goodwe, Growatt, Sermatec, etc.		

OUTDOOR ENERGY STORAGE



Bluetooth-APP

- SOC Monitor
- Temperature Monitor
- Voltage Monitor
- Current Monitor
- Cycle Monitor
- Cell Monitor



Lead Acid Replacement Battery



Golf Battery



Portable Waterproof Boat Battery



Golf cart battery iron box series

36V105AH/ 48V105AH/ 72V105AH



36v105AH

48V105AH

72V105AH

Features

CE

MSDS

UN38.3

Performance

48v105ah 5.37kwh Battery 200a Bms
50% More Powerful

Protections

Over-Charge/Discharge
Over-Current High/Low Temperatures Short-Circuiting, Etc

Durability

4000+ Cycles
Weight 50% Lighter Than Lead-Acid Battery

Duration

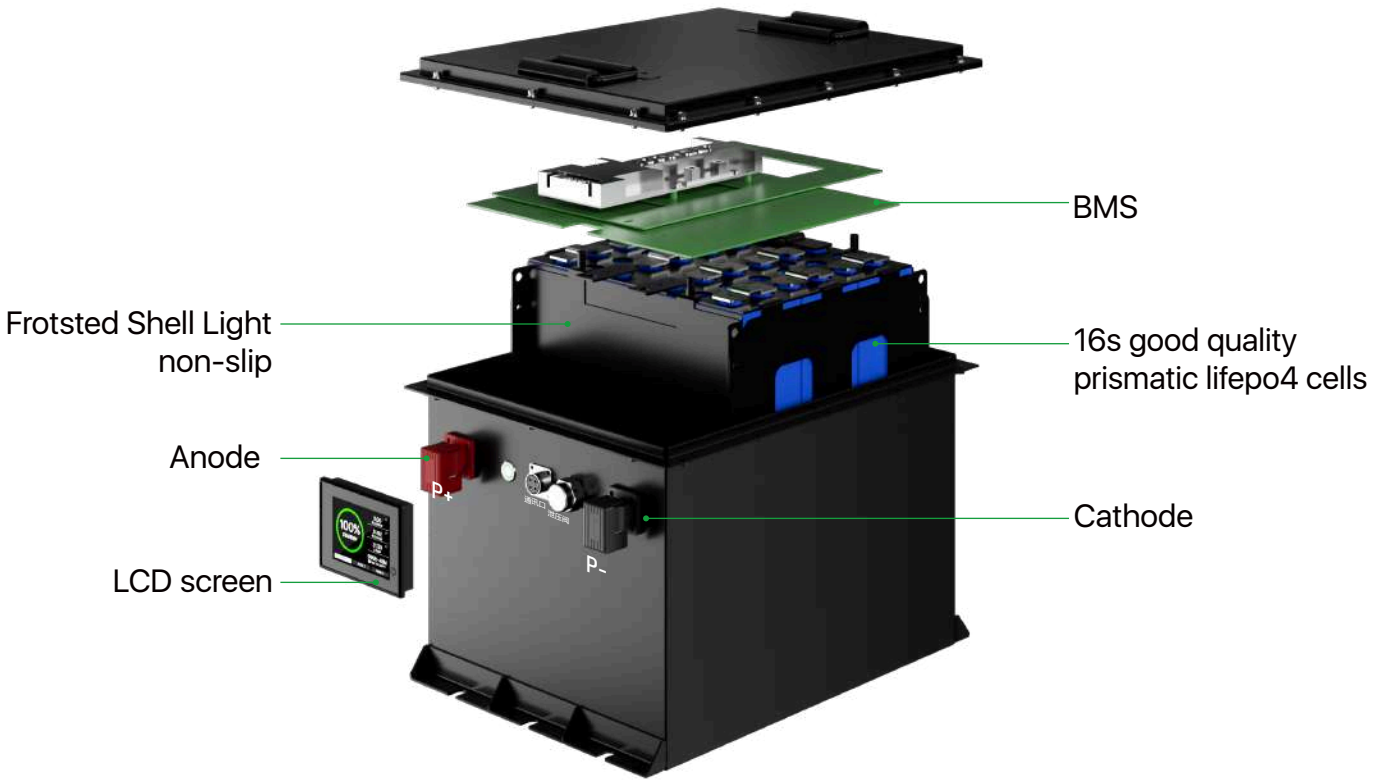
Up To 50 Miles Per Charge With
Strong Acceleration.

Design

2.8-Inch Touch Screen
58.4V22A LiFePO4 fast charger

APP

Mobile App To Control The
Battery (Soc) In Real Time.



Model	36V105AH	48V105AH	72V105AH
Rated Voltage (V)	38.4V	51.2V	76.8V
Rated Capacity (Ah)	105AH	105AH	105AH
Rated Energy (Wh)	4034WH	5376WH	8064WH
Combination Method	1P12S	1P16S	1P24S
Protection Level	IP67	IP67	IP67
Standard Display Screen	add-on	add-on	add-on
Dimensions (LWH mm)	415*325*265	490*325*265	640*325*265
Net Weight (KG)	42KG	51KG	72KG
Cycle Life	≥4000 @ 25 ℃	≥4000 @ 25 ℃	≥4000 @ 25 ℃
Discharge Operating Temperature Range (℃)	20~55 ℃	20~55 ℃	20~55 ℃
Charge Operating Temperature Range (℃)	0 ℃ ~ 45 ℃	0 ℃ ~ 45 ℃	0 ℃ ~ 45 ℃
Operating Voltage Range (V)	32.4~43.8V	43.2V~58.4V	64.8V~87.6V
Charge Current (A)	100A	100A	100A
Discharge Current (A)	200A	200A	200A

Portable Waterproof Boat Batteries

12V100AH/ 12V200AH
24V100AH/ 24V200AH
36V100AH



Features

CE

MSDS

UN38.3

Quality First

Grade-A High-Quality Cells
Real Sufficient capacity
High Quality Accessories

Easy To Carry

Portable Handle
Light weight
Compact Size

Durability

Long lifecycle 4000 times
Large capacity long usage time
High Release Platform

Rich interfaces

Cigarette Lighter (10A), Anderson (50A), Terminal (Maximum Current 100A), Both Supporting Input And Output. PD/QC3.0 USB Versatile For Various Devices

Intelligent Management System

LED Display Voltage
and Battery Level
Bluetooth BMS Built In

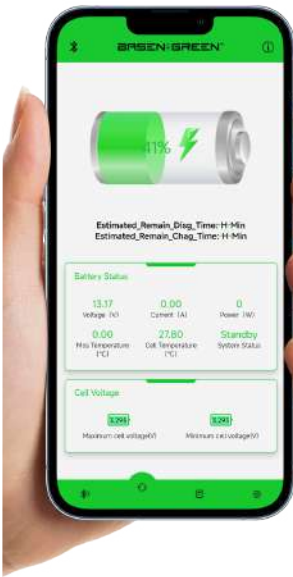
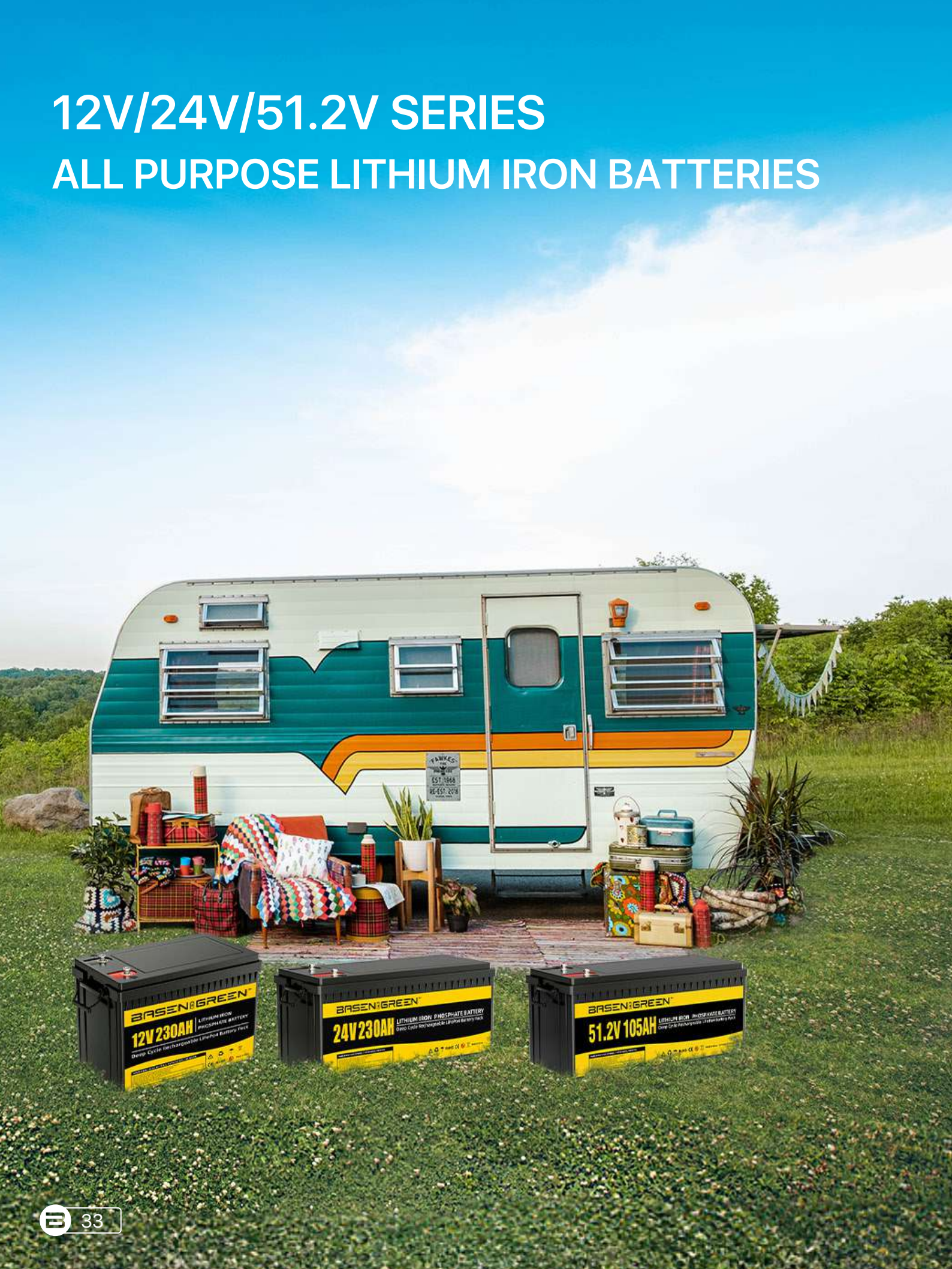
Safe And Eco-Friendly

Made By Lifepo4 Prismatic Cell
IP65 Waterproof Case
Environmental Friendliness

Model	12V100AH	12V200AH	24V100AH	24V200AH	36V100AH
Rated Voltage (V)	12.8	12.8	25.6	25.6	38.4
Rated Capacity (Ah)	100	200	100	200	100
Rated Energy (Wh)	1280	2560	2560	5120	3840
Size (L*W*Hmm)	308*269*150	357*293*193	357*293*193	530*435*240	479*415*150
Combination	1P4S	2P4S	1P8S	1P8S	1P12S
Cell	EVE 100L 100AH	EVE 100L 100AH	EVE 100L 100AH	REPT 206AH	EVE 100L 100AH
Communication	Bluetooth	Bluetooth	Bluetooth	Bluetooth	Bluetooth
Weight(KG)	11	21	21	40	32
Lifecycle	≥4000 @ 25℃	≥4000 @ 25℃	≥4000 @ 25℃	≥4000 @ 25℃	≥4000 @ 25℃
Discharge operating temperature range ℃	20~55	20~55	20~55	20~55	20~55
Charge operating temperature range ℃	0℃~45℃	0℃~45℃	0℃~45℃	0℃~45℃	0℃~45℃
Operating voltage range (V)	10.8~14.6	21.6~29.2	21.6~29.2	21.6~29.2	32.4~43.8
Charge Current (A)	100	100	100	150	100
Discharge Current (A)	100	100	100	150	100

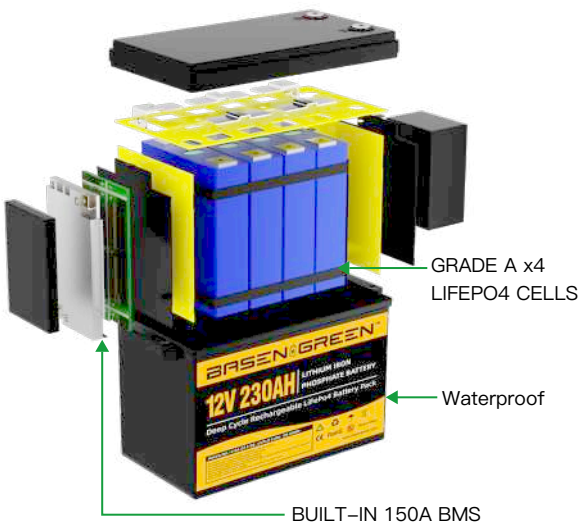
12V/24V/51.2V SERIES

ALL PURPOSE LITHIUM IRON BATTERIES



Bluetooth-APP

- SOC Monitor
- Temperature Monitor
- Voltage Monitor
- Current Monitor
- Cycle Monitor
- Cell Monitor



Model	BG-12100	BG-12160	BG-12230	BG-12300	BG-12460	BG-24100	BG-24230	BG-51105
Nominal Voltage	12.8V					25.6V		51.2V
Capacity	100Ah	160Ah	230Ah	300Ah	460Ah	100Ah	230Ah	105Ah
Cycle times	4000(DoD 80%, 25℃)		6000(DoD 80%, 25℃)			4000(DoD 80%, 25℃)	6000(DoD 80%, 25℃)	5000(DoD 80%, 25℃)
Discharge								
Max. Continue Discharge Current	100A	150A	150A	150A	150A	100A	150A	150A
Discharge Cut-off voltage	10.8V					21.6V		43.2V
Operation Temperature								
Charge Temperature	0℃-55℃							
Discharge Temperature	-20℃-60℃							
Storage Temperature	0℃-45℃							
Protection Class	IP65							
Charging								
Charging Method	CC-CV							
Cut-off Charging Voltage	14.6V					29.2V		58.4V
Max. Charging Current	100A	150A	150A	150A	150A	100A	150A	150A
Other								
Terminals	M8(Threaded-hole)							
Size(mm)	260*168*210	339*185*220	384*194*255	384*194*255	522*268*218	522*242*218	522*268*218	633*244*220
Weight	12kg	17kg	22kg	27kg	40kg	24kg	40kg	39kg

BG-12230

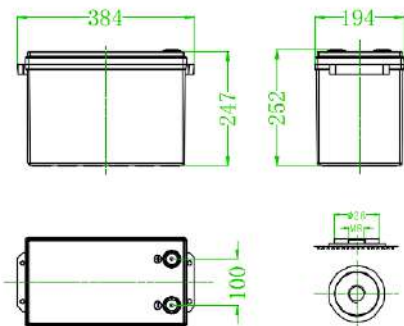
12V 230Ah

LiFeP04

Lithium Iron Phosphate
Deep Cycle Battery



Physical Dimension-mm



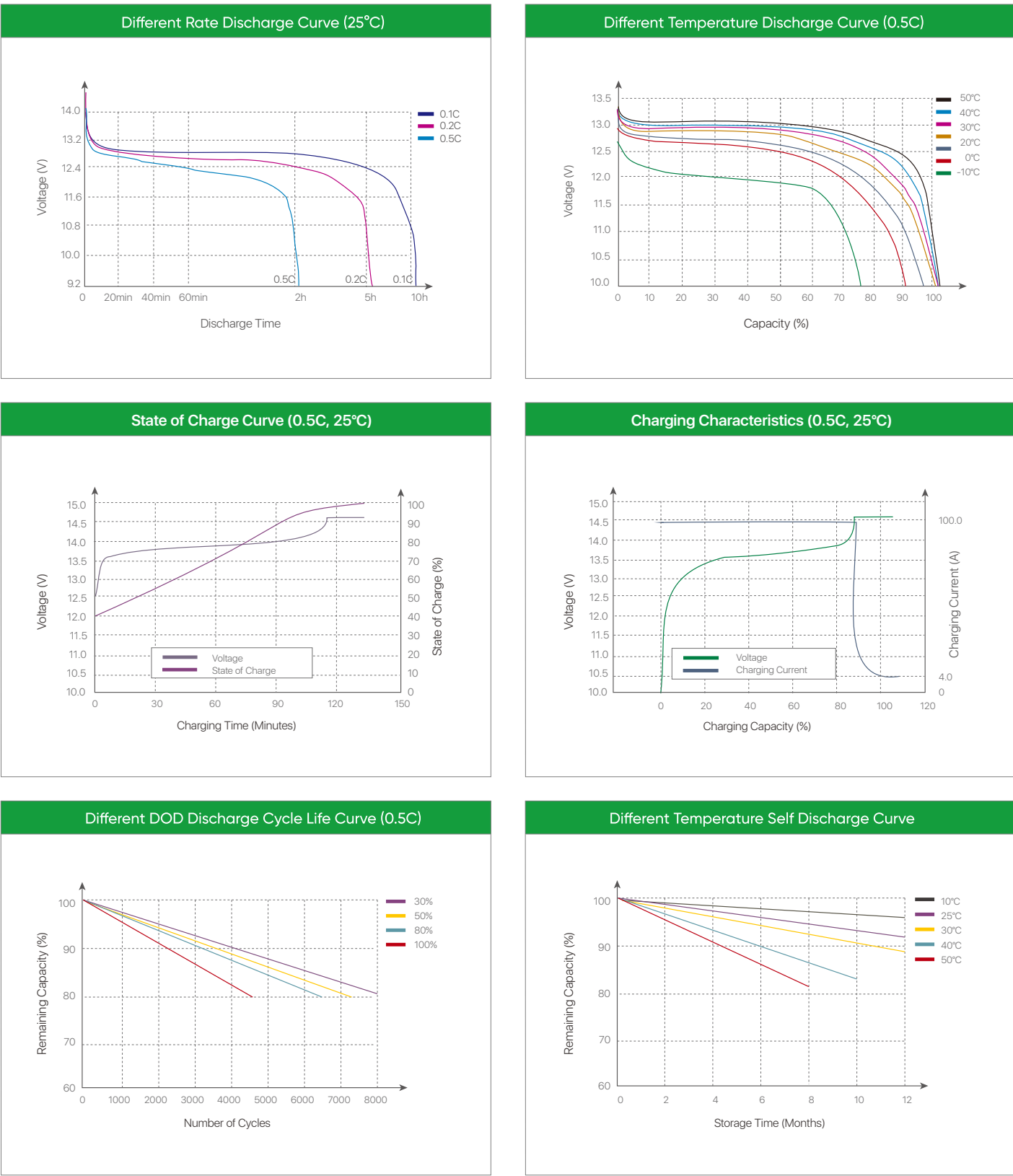
Specification			
Nominal Voltage	12.8V	Max. Continuous Discharge Current	150A
Nominal Capacity	230Ah / 2944Wh	Peak Discharge Current	450A±160A (0.5-1.5S)
BMS	Bluetooth with Smartphone App	Discharge Cut-off Voltage	10V±0.5V
Cycle Life	>6000 cycles @0.5C / 80%DOD	Charge Temperature	0°C~55°C @60±25% Relative Humidity
Months Self Discharge	<3%	Discharge Temperature	-20°C~60°C @60±25% Relative Humidity
Eciency of Charge	100% @0.5C	Storage Temperature	-20°C~45°C @60±25% Relative Humidity
Eciency of Discharg	96~99% @0.5C	Protection Class	IP65
Charge Voltage	14.2~14.6V	Approx. Dimensions	384*194*255mm
Charge Mode	0.2C to 14.6V, then change to 0.02C (CC/CV)	Approx. Weight	22kg
Recommended Charge Current	100A	Terminal	M8
Max. Charge Current	150A	Maximum Modules in Series&Parallel	4S4P
Charge Cut-off Voltage	14.6V±0.2V	Monitoring Option	Heating and Active equalization



-  **Lighter Weight**
About 40% of the weight of a comparable lead acid battery.
Easy to replace lead acid batteries.
-  **Higher Power**
Delivers twice power of lead acid battery.
Higher discharge rate, while maintaining high energy capacity.
-  **Longer Cycle Life**
Offers up to 20 times longer cycle life and
five times longer float/calendar life than lead acid battery.
-  **Superior Safety**
Lithium Iron Phosphate chemistry eliminates the risk of explosion
or combustion due to high impact, overcharging or short circuit.

12V230AH

BG-12230



(Note) All above information shall be changed without prior notice, Basen reserves the right to explain and update the latest information.

BG-24230

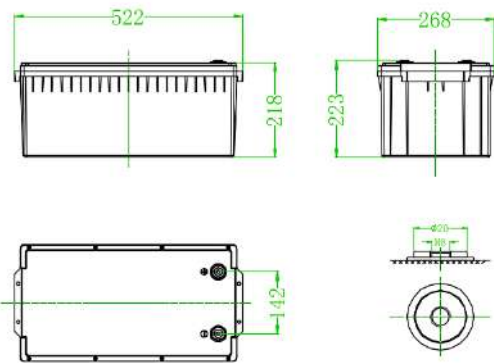
24V 230Ah

LiFeP04

Lithium Iron Phosphate
Deep Cycle Battery




Physical Dimension-mm




Specification			
Nominal Voltage	25.6V	Max. Continuous Discharge Current	150A
Nominal Capacity	230Ah / 5888Wh	Peak Discharge Current	450A±160A (0.5-1.5S)
BMS	Bluetooth with Smartphone App	Discharge Cut-off Voltage	21.6V±0.05V
Cycle Life	>6000 cycles @0.5C / 80%DOD	Charge Temperature	0°C~55°C @60±25% Relative Humidity
Months Self Discharge	<3%	Discharge Temperature	-20°C~60°C @60±25% Relative Humidity
Eciency of Charge	100% @0.5C	Storage Temperature	-20°C~45°C @60±25% Relative Humidity
Eciency of Discharg	96~99% @0.5C	Protection Class	IP65
Charge Voltage	14.2~14.6V	Approx. Dimensions	523*269*218mm
Charge Mode	0.2C to 14.6V, then change to 0.02C (CC/CV)	Approx. Weight	40kg
Recommended Charge Current	100A	Terminal	M8
Max. Charge Current	150A	Maximum Modules in Series&Parallel	4
Charge Cut-off Voltage	29.2V±0.2V	Monitoring Option	Heating and Active equalization



- 

Lighter Weight
About 40% of the weight of a comparable lead acid battery.
Easy to replace lead acid batteries.
- 

Higher Power
Delivers twice power of lead acid battery.
Higher discharge rate, while maintaining high energy capacity.
- 

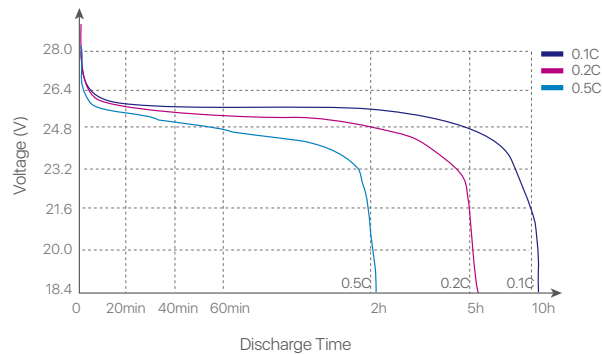
Longer Cycle Life
Offers up to 20 times longer cycle life and
five times longer float/calendar life than lead acid battery.
- 

Superior Safety
Lithium Iron Phosphate chemistry eliminates the risk of explosion
or combustion due to high impact, overcharging or short circuit.

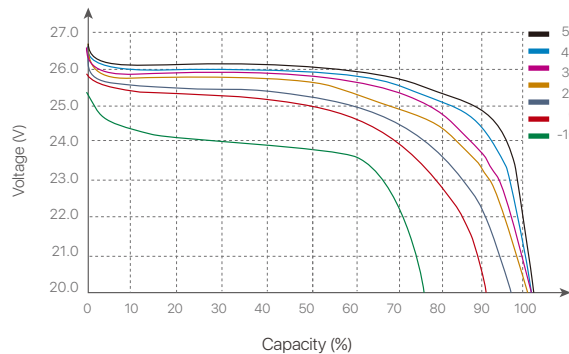
24V230AH

BG-24230

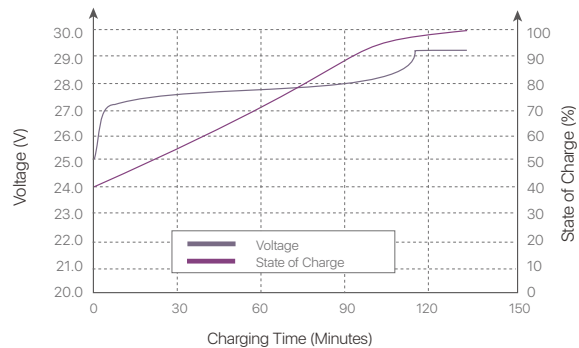
Different Rate Discharge Curve (25°C)



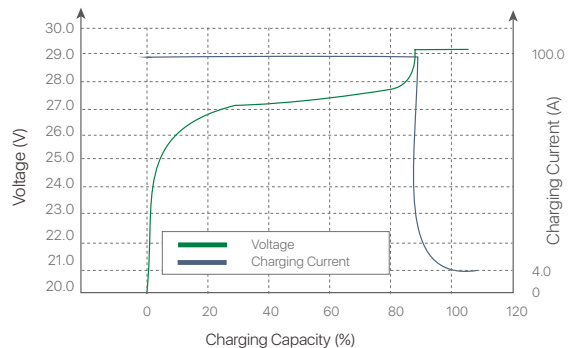
Different Temperature Discharge Curve (0.5C)



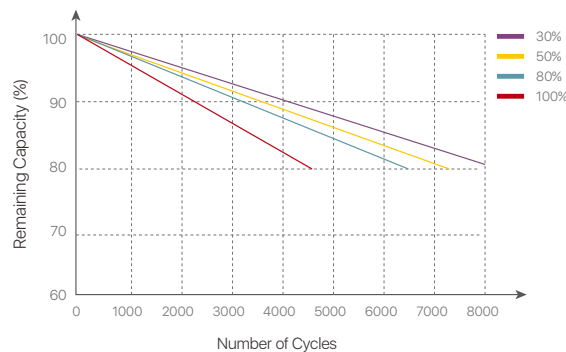
State of Charge Curve (0.5C, 25°C)



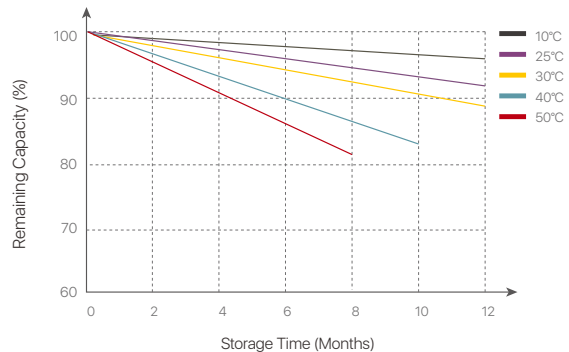
Charging Characteristics (0.5C, 25°C)



Different DOD Discharge Cycle Life Curve (0.5C)



Different Temperature Self Discharge Curve



(Note) All above information shall be changed without prior notice, Basen reserves the right to explain and update the latest information.

BG-51105

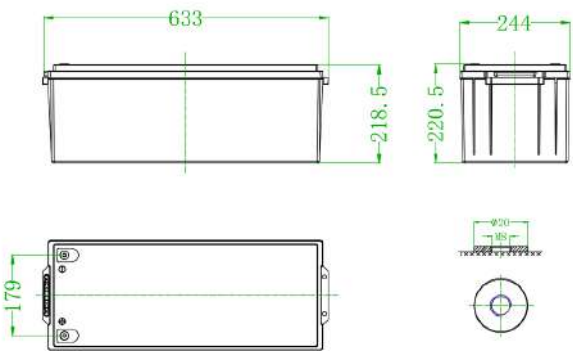
51.2V 105Ah

LiFeP04

Lithium Iron Phosphate
Deep Cycle Battery







Physical Dimension-mm



Specification			
Nominal Voltage	51.2V	Max. Continuous Discharge Current	150A
Nominal Capacity	105Ah / 5376Wh	Peak Discharge Current	450A±160A (0.5-1.5S)
BMS	Bluetooth with Smartphone App	Discharge Cut-off Voltage	43.5V±0.5V
Cycle Life	>5000 cycles @0.5C / 80%DOD	Charge Temperature	0°C~55°C @60±25% Relative Humidity
Months Self Discharge	<3%	Discharge Temperature	-20°C~60°C @60±25% Relative Humidity
Eciency of Charge	100% @0.5C	Storage Temperature	-20°C~45°C @60±25% Relative Humidity
Eciency of Discharg	96~99% @0.5C	Protection Class	IP65
Charge Voltage	56.8~58.4V	Approx. Dimensions	633mm*244mm*220.5mm
Charge Mode	0.2C to 14.6V, then change to 0.02C (CC/CV)	Approx. Weight	39kg
Recommended Charge Current	100A	Terminal	M8
Max. Charge Current	150A	Maximum Modules in Series&Parallel	4
Charge Cut-off Voltage	58.4V±0.2V	Monitoring Option	Heating and Active equalization

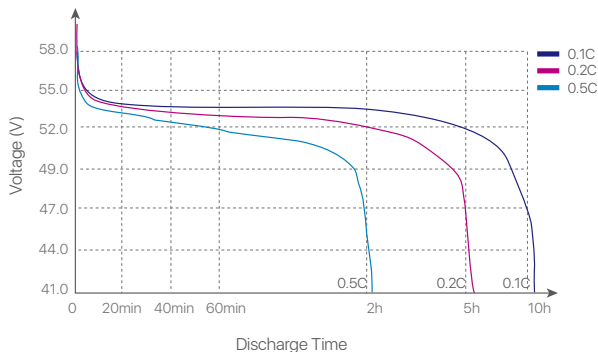


- **Lighter Weight**
About 40% of the weight of a comparable lead acid battery.
Easy to replace lead acid batteries.
- **Higher Power**
Delivers twice power of lead acid battery.
Higher discharge rate, while maintaining high energy capacity.
- **Longer Cycle Life**
Offers up to 20 times longer cycle life and
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- **Superior Safety**
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or combustion due to high impact, overcharging or short circuit.

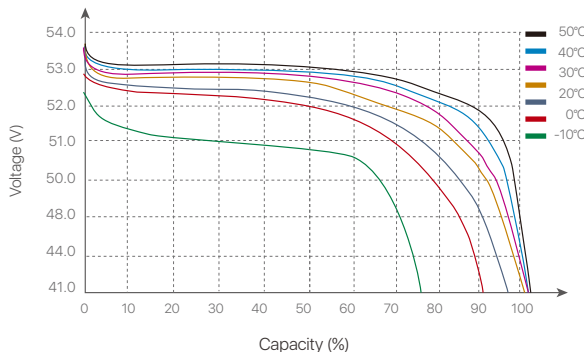
51.2V105AH

BG-51105

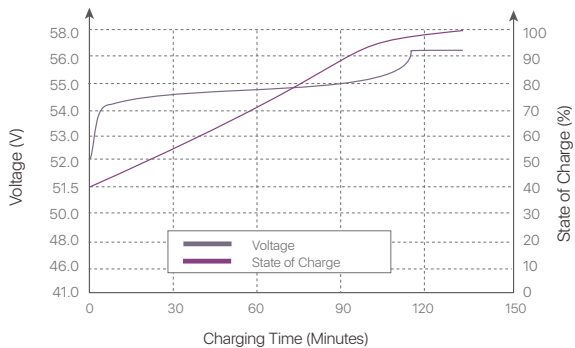
Different Rate Discharge Curve (25°C)



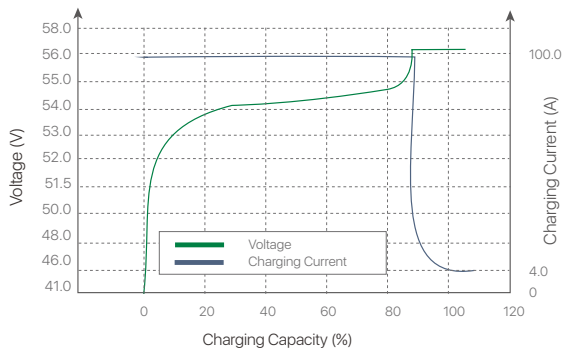
Different Temperature Discharge Curve (0.5C)



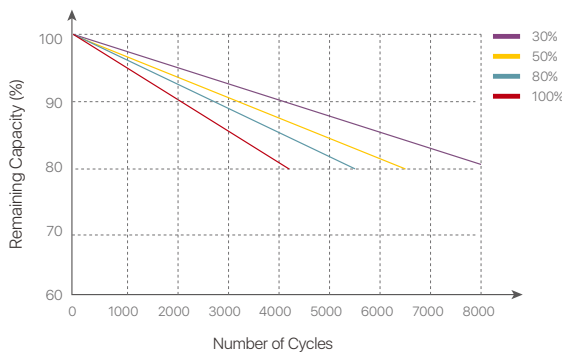
State of Charge Curve (0.5C, 25°C)



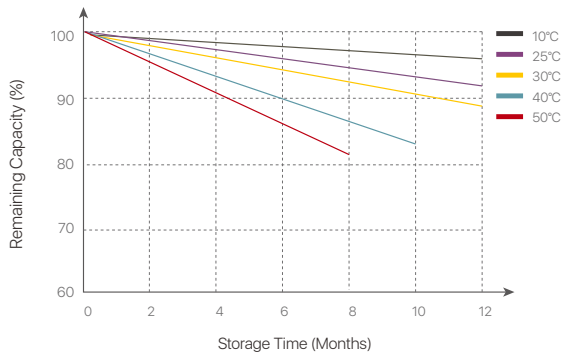
Charging Characteristics (0.5C, 25°C)



Different DOD Discharge Cycle Life Curve (0.5C)



Different Temperature Self Discharge Curve

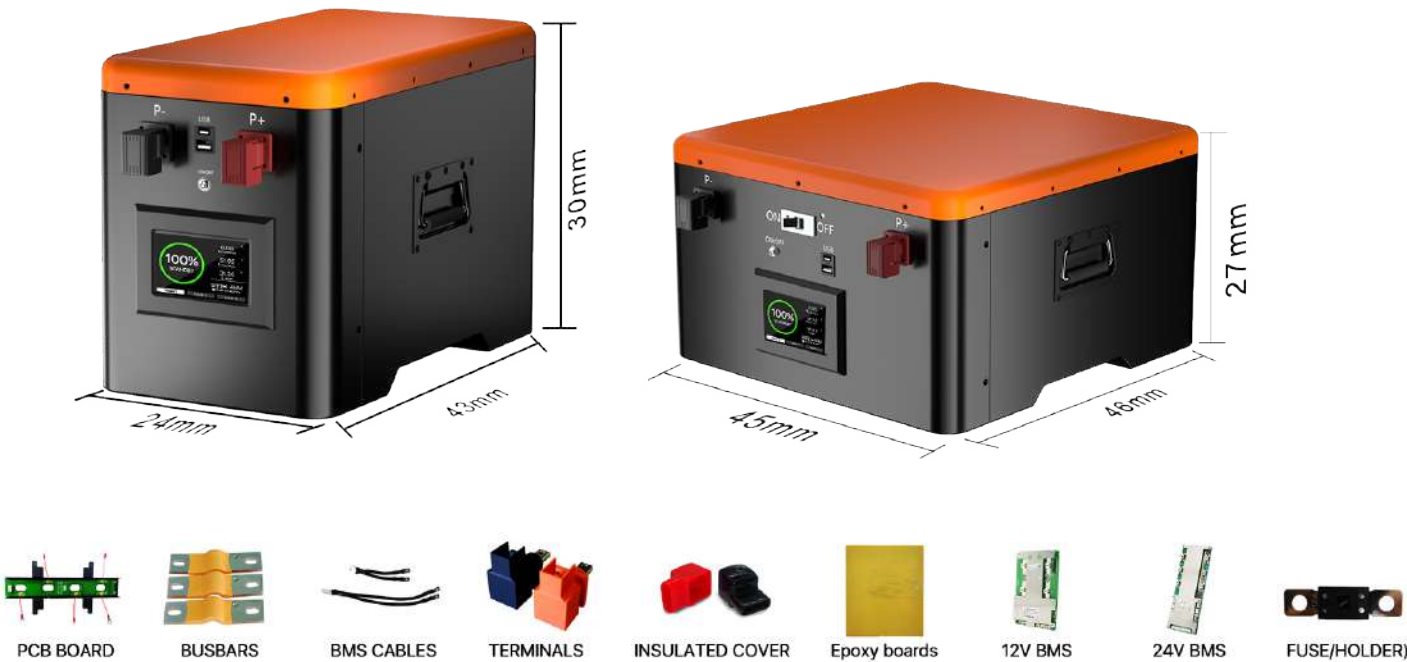


(Note) All above information shall be changed without prior notice, Basen reserves the right to explain and update the latest information.

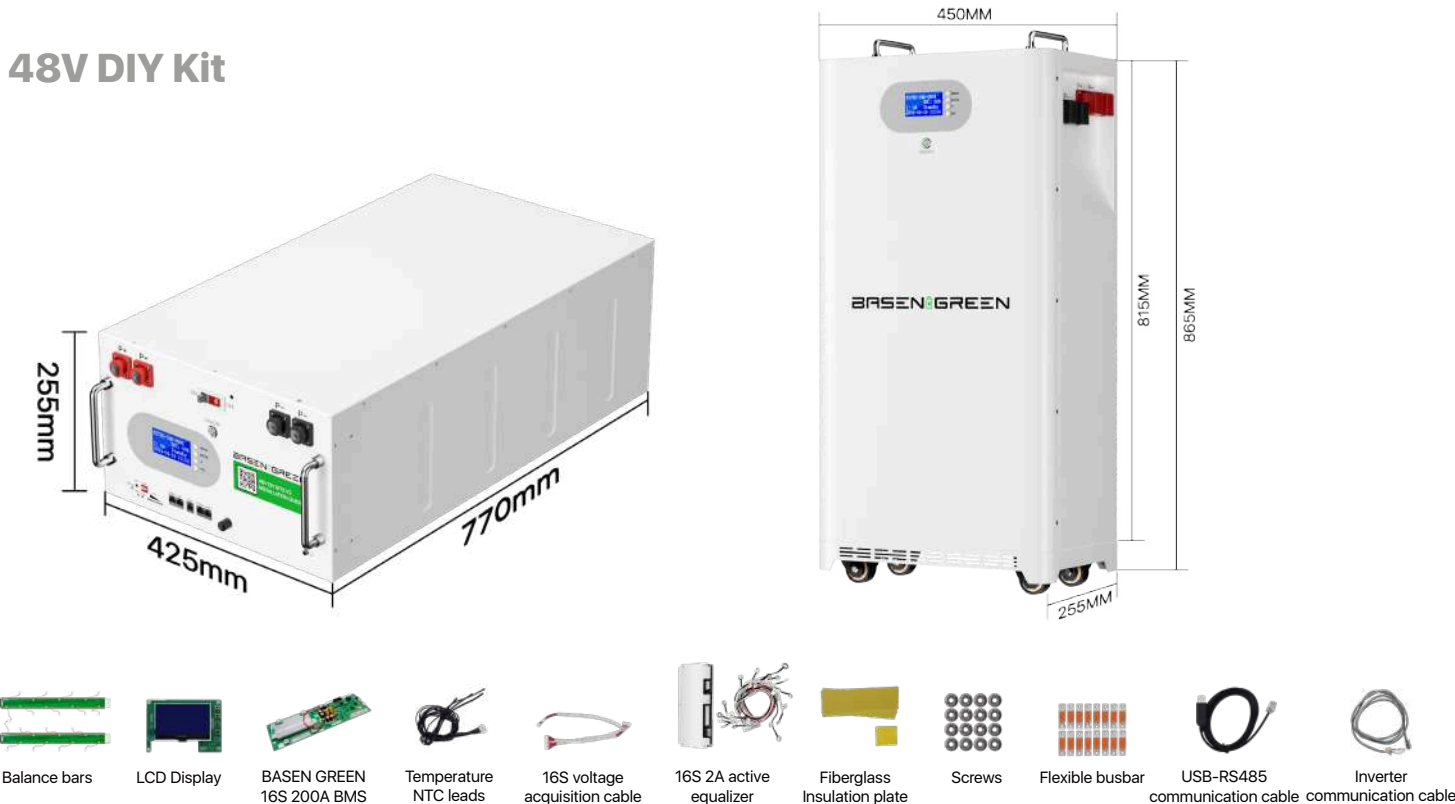
Create Your Custom Battery System

Discover our new DIY kits and easily customize your energy storage solution

12V/24V DIY Kit



48V DIY Kit



LIFEPO4 CELL MODEL LIST & PARAMETERS

Brand	Model	Nominal Voltage (V)	Capacity (Ah)	Standard Cycle (25°C)	Initial IR (1kHz)	Weight (g)	Lengthx WidthxHeight (mm)
EVE	LF22K	3.22	22	4500 (0.5C/0.5C)	<0.43mΩ	628±10	148×71×131
EVE	LF32	3.2	32	3500 (0.5C/0.5C)	<1.5mΩ	730±50	148×26×94
EVE	LF50F	3.2	50	1500 (0.5C/0.5C)	<2.0mΩ	1035±100	148×26×129
EVE	LF50K	3.2	50	7000 (1C/1C)	<0.7mΩ	1395±50	135×29×185
EVE	LF80	3.2	80	4000 (0.5C/0.5C)	<0.5mΩ	1680±50	130×36×170
EVE	LF90K	3.2	90	6000 (1C/1C)	<0.5mΩ	1994±100	130×36×200
EVE	LF100MA	3.2	101	2000 (0.5C/0.5C)	<0.5mΩ	1920±100	160×50×118
EVE	LF100LA	3.2	102	5000 (0.5C/0.5C)	<0.5mΩ	1985±100	160×50×118
EVE	LF105	3.2	105	4000 (0.5C/0.5C)	<0.5mΩ	1980±60	130×36×200
EVE	LF125	3.22	125	4000 (0.5C/0.5C)	<0.4mΩ	2390±71	200×33×172
EVE	LF150	3.22	150	4000 (0.5C/0.5C)	<0.4mΩ	2830±84	200×33×207
EVE	LF160	3.22	160	4000 (0.5C/0.5C)	<0.2mΩ	3000±100	173×53×153
EVE	LF173	3.22	173	4000 (0.5C/0.5C)	<0.2mΩ	3190±96	173×41×207
EVE	LF230	3.2	230	4000 (0.5C/0.5C)	<0.2mΩ	4140±124	173×53×207
EVE	LF280K	3.2	280	8000 (0.5C/0.5C)	<0.2mΩ	5490±300	173×71×207
EVE	LF304	3.2	304	4000 (0.5C/0.5C)	<0.1mΩ	5450±164	173×71×207
EVE	MB30	3.2	306	10000 (0.5C/0.5C)	<0.1mΩ	5600±300	173×71×207
EVE	MB31	3.2	314	8000 (0.5C/0.5C)	<0.1mΩ	5600±300	173×71×207
EVE	LF560K	3.2	628	8000 (0.5C/0.5C)	<0.2mΩ	10700±300	72×352×207
CATL	LF280	3.2	280	6000 (1C/1C)	<0.17mΩ	5340±300	173×71×207
CATL	LF302	3.2	302	6000 (1C/1C)	<0.18mΩ	5510	173×71×207
CATL	LF320	3.2	320	6000 (1C/1C)	<0.18mΩ	5510	173×71×207
REPT	LF280	3.2	280	6000 (0.5C/1C)	<0.3mΩ	5400±150	173×71×207
REPT	LF320	3.2	320	8000 (0.5C/0.5C)	<0.3mΩ	5780±200	173×71×207

GLOBAL COOPERATION BUSINESS



COMPANY STRENGTHS

As a leading entity in the battery energy storage industry, we are distinguished by our substantial financial stability and exceptional industry reputation. Our dedication to innovation and quality has cultivated long-term, reliable partnerships, and our commitment to excellence is reflected in our customer satisfaction rate exceeding 95%.



MANUFACTURING CAPABILITY

With advanced production equipment and a skilled technical team, our annual production capacity exceeds 100,000 sets of battery storage products. Utilizing automated production lines and rigorous processes, we ensure product consistency and stability. Continuous improvements in production efficiency have led to an average delivery cycle of less than 10 working days.



QUALITY IS PRICELESS

We ensure that all our products meet strict quality control standards and pass ISO 9001:2015 certification to ensure high quality. The precise design of BasenGreen energy storage batteries maximizes the performance, efficiency, reliability, and lifespan of the energy storage system; our internal products are all selected from top-tier global supplier brands.

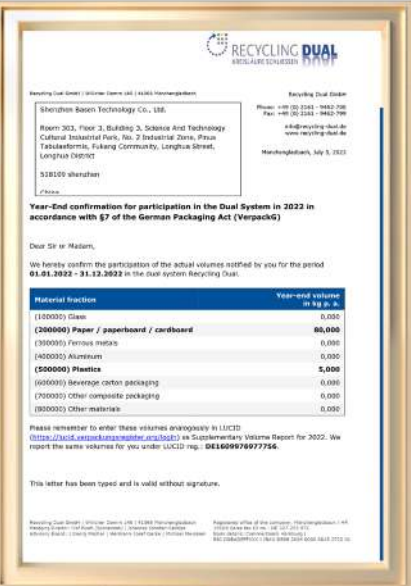


WAREHOUSING CAPABILITY

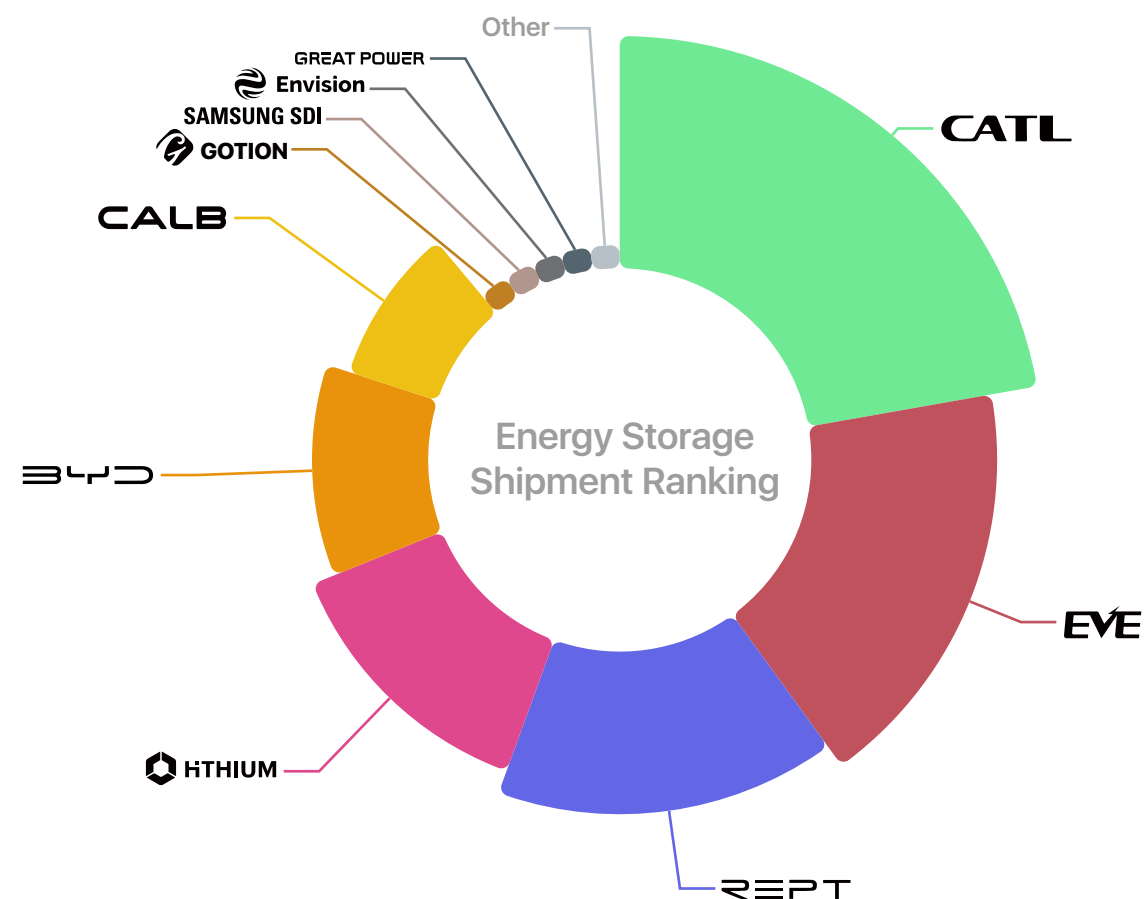
After over a decade of effort, BASEN-GREEN has become one of the world's leading companies in the field of Home Energy Storage, known for its high quality, sales, and service. With its presence in over 100 countries and overseas warehouses in Poland, Germany, and the USA, as well as an office and repair center in Poland, BASENGREEN is trusted by millions of customers worldwide.

COMPANY HONOR

Our commitment to excellence is demonstrated through a range of industry-recognized certifications. This section highlights the key credentials we have earned, reflecting our adherence to the highest standards and our dedication to delivering top-quality solutions to our clients.



LIFEPO4 CELL PARTNER BRANDS



MATCH ALL 48VDC HYBRID INVERTER



BECOME A BASENGREEN DEALER

Basengreen strives to collaborate with dealers to build a synergy that fosters mutual growth, enhances customer value, and achieves a prosperous, win-win future.

Why Partner with Basengreen?

At Basengreen

we specialize in the R&D, manufacturing, and sales of cutting-edge energy storage and motive power systems, providing comprehensive one-stop solutions.

Innovative R&D

Our dedicated team is focused on developing advanced renewable energy solutions and meets key international standards with certifications such as CE, IEC, and RoHS.

Comprehensive Quality Control

We maintain rigorous quality management systems with certifications including ISO9001, ISO14001, and ISO45001, ensuring excellence throughout the manufacturing process.

Global Presence

With established offices and warehouses in Poland, Germany, and the USA, along with a growing international footprint, we offer flexible solutions and strong support tailored to your needs.

Discover how Basengreen's advanced energy solutions can be customized to meet your specific requirements.

