

BASEN GREEN

ENERGY STORAGE SOLUTION PROVIDER

BASEN GREEN

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ENERGY STORAGE SOLUTION PROVIDER

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Shenzhen Basen Technology Co., Ltd. www.basenpower.com

Why Basengreen

Basengreen is a trusted global innovator in advanced LiFePO_4 energy storage systems — combining deep industry experience, local warehouse stock, and direct engineering support.

14+
Years in Energy Storage

12,000m²
Manufacturing Facility

2GWh
Annual Production Capacity

138+
Countries & Regions Covered



Global Stock & Fast Dispatch

Local stock in Poland, Spain, Italy, USA,
Yemen, and Iraq — direct dispatch for
fast delivery.



Local Service & Spare Parts

Partnered repair centers in Poland & Romania, plus local service hubs in Yemen & Iraq for fast technical support and spare parts.



Flexible OEM / ODM Services

Custom BMS protocols, private labeling, casing design, and direct technical support from our engineering team.



Verified Safety & Certification

Certified to TÜV IEC 62619, CE, UKCA, and UN38.3. All certificates and test reports are 100% verifiable online.



Flexible Capacity Expansion

Modular stackable design supporting parallel connection for easy capacity expansion as energy needs grow.



Smart Monitoring & APP

Integrated Bluetooth & Wi-Fi smart app, multi-language color touchscreen, and intelligent BMS active balancing for safe & efficient operation.

Compatible with Leading Inverter Brands



Residential Energy Storage Solutions

Flexible battery solutions for modern home solar and backup applications.



Wall-Mounted

Space-saving home storage.



Floor/wall Mounted

Reliable home backup.



Floor Mounted

Reliable home backup.



Waterproof

Built for outdoor use.



Rack Mounted

Scalable and modular.



All-in-One ESS

Integrated energy solution.

25.6V Wall-Mounted Series



8 kWh

Max. Capacity

16 Units

Max. Parallel Connection

10000 Cycles

Max. Cycle Life

- Wall-mounted design
Easy to install
- APP monitoring
Bluetooth & Wi-Fi real-time data
- Smart BMS + breaker
Protection against over-charge, over-discharge, short circuit
- Touch Screen
17-Language Touchscreen Support

Parameter	BR-WM-2502	BR-WM-2505	BR-WM-2508
Rated Voltage	25.6 V	25.6 V	25.6 V
Operating Voltage Range	21.6V-28.8 V	21.6V-28.8 V	21.6V-28.8 V
Capacity	100 Ah	200 Ah	314 Ah
Energy	2560 Wh	5120 Wh	8038 Wh
Max. Charge / Discharge Current	100A/100A	100A/100A	200A/200A
Charge Temperature Range	0°C~60°C	0°C~60°C	0°C~60°C
Discharge Temperature Range	-20°C~60°C	-20°C~60°C	-20°C~60°C
Cycle Life*	4000 Cycles	6000 Cycles	10000 Cycles
Dimension (L×W×H, mm)	350x267x480 mm	470x267x480 mm	500x267x550 mm
Weight(kg)	30 kg	53 kg	66 kg
Warranty*	10 Years	10 Years	10 Years

OEM/CUSTOMIZED OPTIONS

Heating

Cooling Fan

Fire Protection

Touch Screen

Active Balancer

Magnetic Cover

1. Cycle Life Condition: 80% DoD(0.5/0.5C).
2. Warranty: 10 Years (warranty or cycle life, whichever comes first).
3. Inverter Compatibility: Deye, Victron, Growatt, Solis, Sofar, Goodwe, etc.



For more information

51.2V Wall-Mounted Series



10 kWh

Max. Capacity

16 Units

Max. Parallel Connection

6000 Cycles

Max. Cycle Life

- Wall-mounted design
Easy to install
- APP monitoring
Bluetooth & Wi-Fi real-time data
- Smart BMS + breaker
Protection against over-charge, over-discharge, short circuit
- Touch Screen
17-Language Touchscreen Support

Parameter	BR-WM-5105	BR-WM-5110
Rated Voltage	51.2 V	51.2 V
Operating Voltage Range	43.2V-57.6 V	43.2V-57.6 V
Capacity	100 Ah	200 Ah
Energy	5120 Wh	10240 Wh
Max. Charge / Discharge Current	100A/100A	100A/100A
Charge Temperature Range	0°C~60°C	0°C~60°C
Discharge Temperature Range	-20°C~60°C	-20°C~60°C
Cycle Life*	6000 Cycles	6000 Cycles
Dimension (L×W×H, mm)	480x227x580 mm	510x272x630 mm
Weight(kg)	50 kg	94 kg
Warranty*	10 Years	10 Years

OEM/CUSTOMIZED OPTIONS

Heating

Cooling Fan

Fire Protection

Touch Screen

Active Balancer

Magnetic Cover

1. Cycle Life Condition: 80% DoD(0.5/0.5C).
2. Warranty: 10 Years (warranty or cycle life, whichever comes first).
3. Inverter Compatibility: Deye, Victron, Growatt, Solis, Sofar, Goodwe, etc.



For more information

51.2V Wall/Floor-Mounted Series



16 kWh

Max. Capacity

16 Units

Max. Parallel Connection

10000 Cycles

Max. Cycle Life

Wall/floor-mounted design
Easy to install

APP monitoring
Bluetooth & Wi-Fi real-time data

Smart BMS + breaker
Protection against over-charge, over-discharge, short circuit

Touch Screen
17-Language Touchscreen Support

Certificate
TÜV IEC 62619 Certified

Parameter	BR-OW-5111	BR-OW-5115	BR-OW-5116
Rated Voltage	51.2 V	51.2 V	51.2 V
Operating Voltage Range	43.2V-57.6 V	43.2V-57.6 V	43.2V-57.6 V
Capacity	230 Ah	300 Ah	314 Ah
Energy	11776 Wh	15360 Wh	16076.8 Wh
Max. Charge / Discharge Current	200A/200A	200A/200A	200A/200A
Charge Temperature Range	0°C~60°C	0°C~60°C	0°C~60°C
Discharge Temperature Range	-20°C~60°C	-20°C~60°C	-20°C~60°C
Cycle Life*	6000 Cycles	8000 Cycles	10000 Cycles
Dimension (L×W×H, mm)	500x245x640 mm	500x245x770 mm	500x245x770 mm
Weight(kg)	96 kg	126 kg	128 kg
Warranty*	10 Years	10 Years	10 Years

OEM/CUSTOMIZED OPTIONS

Heating

Cooling Fan

Fire Protection

Touch Screen

Active Balancer

Magnetic Cover

1. Cycle Life Condition: 80% DoD(0.5/0.5C).
2. Warranty: 10 Years (warranty or cycle life, whichever comes first).
3. Inverter Compatibility: Deye, Victron, Growatt, Solis, Sofar, Goodwe, etc.



For more information

51.2V Floor-Mounted Series



48 kWh

Max. Capacity

16 Units

Max. Parallel Connection

10000 Cycles

Max. Cycle Life

Floor-mounted design
Easy to install

APP monitoring
Bluetooth & Wi-Fi real-time data

Smart BMS + breaker
Protection against over-charge, over-discharge, short circuit

Touch Screen
17-Language Touchscreen Support

Parameter	BR-PC-5127	BR-PC-5132	BR-PC-5148
Rated Voltage	51.2 V	51.2 V	51.2 V
Operating Voltage Range	43.2V-57.6 V	43.2V-57.6 V	43.2V-57.6 V
Capacity	530 Ah	628 Ah	942 Ah
Energy	27136 Wh	32153.6 Wh	48230.4 Wh
Max. Charge / Discharge Current	200A/200A	200A/200A	300A/300A
Charge Temperature Range	0°C~60°C	0°C~60°C	0°C~60°C
Discharge Temperature Range	-20°C~60°C	-20°C~60°C	-20°C~60°C
Cycle Life*	8000 Cycles	10000 Cycles	10000 Cycles
Dimension (L×W×H, mm)	800x430x735 mm	800x430x630 mm	450x680x1100 mm
Weight(kg)	214 kg	245 kg	345 kg
Warranty*	10 Years	10 Years	10 Years

OEM/CUSTOMIZED OPTIONS

Heating

Cooling Fan

Fire Protection

Touch Screen

Active Balancer

Magnetic Cover

1. Cycle Life Condition: 80% DoD(0.5/0.5C).
2. Warranty: 10 Years (warranty or cycle life, whichever comes first).
3. Inverter Compatibility: Deye, Victron, Growatt, Solis, Sofar, Goodwe, etc.



For more information

51.2V Wall/Floor-Mounted Waterproof Series



- 16 kWh

Max. Capacity
- IP65

Waterproof Rating
- 10000 Cycles

Max. Cycle Life
- Wall/floor-mounted design
Easy to install
- APP monitoring
Bluetooth & Wi-Fi real-time data
- Smart BMS + breaker
Protection against over-charge, over-discharge, short circuit
- Touch Screen
17-Language Touchscreen Support
- Heating Feature
Works in environments below 0 °C

Parameter	BR-OWP/H-5115	BR-OWP/H-5116
Rated Voltage	51.2 V	51.2 V
Operating Voltage Range	43.2V-57.6 V	43.2V-57.6 V
Capacity	300 Ah	314 Ah
Energy	15360 Wh	16076.8 Wh
Max. Charge / Discharge Current	200A/200A	200A/200A
Charge Temperature Range	0°C~60°C	0°C~60°C
Discharge Temperature Range	-20°C~60°C	-20°C~60°C
Cycle Life*	8000 Cycles	10000 Cycles
Dimension (L×W×H, mm)	500x245x770 mm	500x245x770 mm
Weight(kg)	126 kg	128 kg
Warranty*	10 Years	10 Years

OEM/CUSTOMIZED OPTIONS

-
- Heating
-
- Cooling Fan
-
- Fire Protection
-
- Touch Screen
-
- Active Balancer
-
- Magnetic Cover

1. Cycle Life Condition: 80% DoD(0.5/0.5C).
2. Warranty: 10 Years (warranty or cycle life, whichever comes first).
3. Inverter Compatibility: Deye, Victron, Growatt, Solis, Sofar, Goodwe, etc.



For more information

51.2V Floor-Mounted Waterproof Series



- 32 kWh

Max. Capacity
- IP65

Waterproof Rating
- 10000 Cycles

Max. Cycle Life
- Floor-mounted design
Easy to install
- APP monitoring
Bluetooth & Wi-Fi real-time data
- Smart BMS + breaker
Protection against over-charge, over-discharge, short circuit
- Touch Screen
17-Language Touchscreen Support

Parameter	BR-PCP/H-5132
Rated Voltage	51.2 V
Operating Voltage Range	43.2V-57.6 V
Capacity	628 Ah
Energy	32153.6 Wh
Max. Charge / Discharge Current	200A/200A
Charge Temperature Range	0°C~60°C
Discharge Temperature Range	-20°C~60°C
Cycle Life*	10000 Cycles
Dimension (L×W×H, mm)	800x430x650 mm
Weight(kg)	245 kg
Warranty*	10 Years

OEM/CUSTOMIZED OPTIONS

-
- Heating
-
- Cooling Fan
-
- Fire Protection
-
- Touch Screen
-
- Active Balancer
-
- Magnetic Cover

1. Cycle Life Condition: 80% DoD(0.5/0.5C).
2. Warranty: 10 Years (warranty or cycle life, whichever comes first).
3. Inverter Compatibility: Deye, Victron, Growatt, Solis, Sofar, Goodwe, etc.



For more information

51.2V All-in-One ESS Series



- 32kWh +12kW**

Max. Capacity
- Plug-and-Play**

Integrated EU Socket
- 8000 Cycles**

Max. Cycle Life
- All-in-one design
Basengreen Battery & Single Phase Off-grid Inverter

APP monitoring
Bluetooth & Wi-Fi real-time data

Smart BMS + breaker
Protection against over-charge, over-discharge, short circuit

Touch Screen
17-Language Touchscreen Support
- | Parameter | BR-YVT16-LP1TQ6K-EUV3B | BR-YVT32-LP3SR12K-EUV3B |
|--------------------------|---|---|
| Battery Rated Voltage | 51.2 V | 51.2 V |
| Energy Storage | 16 kWh | 32 kWh |
| Rated Output Power | 6.2 kW | 12 kW |
| Max. PV Input Power | 8500 W | 9000 W*2 |
| Maximum PV Input Current | 27A | 22A*2 |
| Cycle Life* | 8000 Cycles | 8000 Cycles |
| Dimension (L×W×H, mm) | 550x270x1085 mm | 845*750*515 mm |
| Weight(kg) | 139 kg | 180 kg |
| Warranty* | 10 Years (Battery Module)
1 Year (Inverter Module) | 10 Years (Battery Module)
1 Year (Inverter Module) |
- OEM/CUSTOMIZED OPTIONS
- Heating

Cooling Fan

Fire Protection

Touch Screen

Active Balancer

Magnetic Cover
1. Cycle Life Condition: 80% DoD(0.5/0.5C).

2. Warranty: 10 Years (warranty or cycle life, whichever comes first).

3. Inverter Compatibility: Deye, Victron, Growatt, Solis, Sofar, Goodwe, etc.
-
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- RESIDENTIAL BR-RM
- 51.2V Rack-Mounted Series
-
- 16 kWh**

Max. Capacity

16 Units

Max. Parallel Connection

10000 Cycles

Max. Cycle Life

Rack-mounted design
Easy to install

APP monitoring
Bluetooth & Wi-Fi real-time data

Smart BMS
Protection against over-charge, over-discharge, short circuit
- | Parameter | BR-RM-5105 | BR-RM-5111 | BR-RM-5116 |
|---------------------------------|----------------|----------------|----------------|
| Rated Voltage | 51.2 V | 51.2 V | 51.2 V |
| Operating Voltage Range | 43.2V-57.6 V | 43.2V-57.6 V | 43.2V-57.6 V |
| Capacity | 100 Ah | 230 Ah | 314 Ah |
| Energy | 5120 Wh | 11776 Wh | 16076.8 Wh |
| Max. Charge / Discharge Current | 100A/100A | 200A/200A | 200A/200A |
| Charge Temperature Range | 0°C~60°C | 0°C~60°C | 0°C~60°C |
| Discharge Temperature Range | -20°C~60°C | -20°C~60°C | -20°C~60°C |
| Cycle Life* | 4000 Cycles | 6000 Cycles | 10000 Cycles |
| Dimension (L×W×H, mm) | 482x550x177 mm | 482x618x248 mm | 482x777x255 mm |
| Weight(kg) | 46 kg | 88 kg | 121 kg |
| Warranty* | 10 Years | 10 Years | 10 Years |
- OEM/CUSTOMIZED OPTIONS
- Heating

Cooling Fan

Fire Protection

Touch Screen

Active Balancer

Magnetic Cover
1. Cycle Life Condition: 80% DoD(0.5/0.5C).

2. Warranty: 10 Years (warranty or cycle life, whichever comes first).

3. Inverter Compatibility: Deye, Victron, Growatt, Solis, Sofar, Goodwe, etc.
-
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Commercial & Industrial Energy Storage Solutions

Scalable battery solutions for renewable integration, backup power and industrial energy management.



Outdoor Cabinet ESS

Integrated Outdoor Energy Solution
100kW/261 kWh



High Voltage ESS

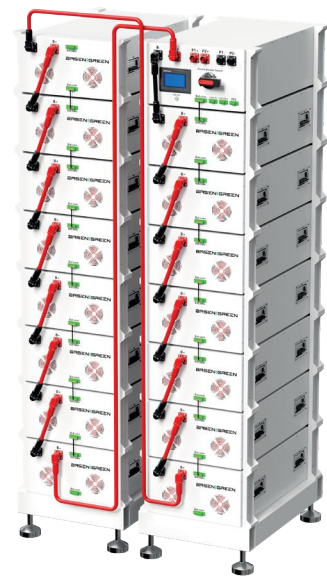
High Efficiency Energy Storage
20-96 kWh+



Rack Battery System

Modular Battery Platform
60-241 kWh+

Rack-Mounted Series



5kWh/
16kWh

Modular
Design

15
Units

Max. Series
Connection

8000
Cycles

Max.
Cycle Life



Modular design
Rack-mounted design, easy to install



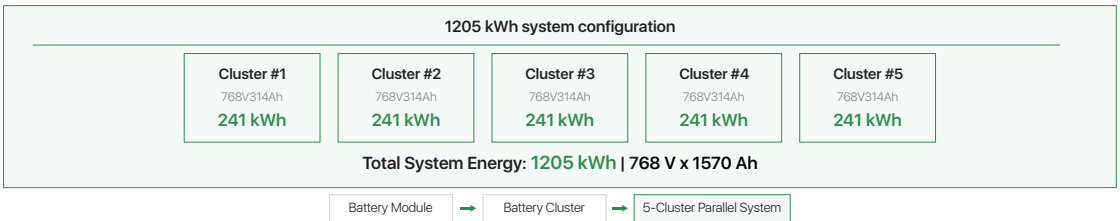
Smart BMS + breaker
Protection against over-charge, over-discharge, short circuit



Compatibility
Compatible with mainstream inverters

Parameter	BR-RMHV-61460	BR-RMHV-409128	BR-RMHV-768241
Rated Voltage	614.4 V	409.6 V	768 V
Operating Voltage Range	518.4V-691.2 V	345.6V-460.8 V	648V-864 V
Number of Battery Module	12 Units	8 Units	15 Units
Battery Module Energy	5 kWh	16 kWh	16 kWh
System Energy	60 kWh	128 kWh	241 kWh
Max. Charge / Discharge Current	50A/50A	300A/300A	300A/300A
Charge Temperature Range	0°C~60°C	0°C~60°C	0°C~60°C
Discharge Temperature Range	-20°C~60°C	-20°C~60°C	-20°C~60°C
Max. Parallel Units	5 Units	5 Units	5 Units
Cycle Life*	4000 Cycles	8000 Cycles	8000 Cycles
Dimension (L×W×H, mm)	670x580x2550 mm	765x505x2295 mm	765x1010x2060 mm
Weight(kg)	638 kg	1110 kg	1970 kg
Warranty*	10 Years	10 Years	10 Years

System Architecture & Core Components



Inverter Compatibility: Deye, Victron, Growatt, Solis, Sofar, Goodwe, etc.

Warranty: 10 Years(warranty or cycle life, whichever comes first)



For more information

Stackable Series



5kWh/
16kWh

Modular
Design

15
Units

Max. Series
Connection

8000
Cycles

Max.
Cycle Life



Modular design
Stackable design, easy to install



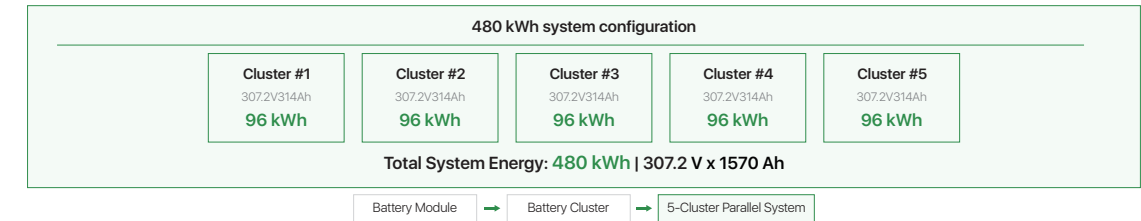
Smart BMS + breaker
Protection against over-charge, over-discharge, short circuit



Compatibility
Compatible with mainstream inverters

Parameter	BR-BOXHV-40940	BR-BOXHV-30796
Rated Voltage	409.6 V	307.2 V
Operating Voltage Range	345.6V-460.8 V	259.2V-345.6 V
Number of Battery Module	8 Units	6 Units
Battery Module Energy	5 kWh	16 kWh
System Energy	40 kWh	96 kWh
Max. Charge / Discharge Current	50A/50A	100A/100A
Charge Temperature Range	0°C~60°C	0°C~60°C
Discharge Temperature Range	-20°C~60°C	-20°C~60°C
Max. Parallel Units	5 Units	5 Units
Cycle Life*	4000 Cycles	8000 Cycles
Dimension (L×W×H, mm)	670x580x1850 mm	880x700x2200 mm
Weight(kg)	440 kg	773 kg
Warranty*	10 Years	10 Years

System Architecture & Core Components



Inverter Compatibility: Deye, Victron, Growatt, Solis, Sofar, Goodwe, etc.

Warranty: 10 Years (warranty or cycle life, whichever comes first)



For more information

PV and ESS Integrated Machine

100 kW/ 261 kWh

Liquid cooling battery storage
system for C&I Applications

High Safety

- High thermal stability thanks to liquid cooling.
- Multistage fire detection & suppression system.
- Use of high-safety prismatic cells.
- Ultra-wide operating temperature range.

Low LCOS

- Excellent thermal management improves energy throughput by ensuring optimal operating temperature.
- High energy density.
- Highly integrated, including PCS, thermal management system, fire protection system, BMS, and EMS

Reliable & Compliant

- Product certifications and compliance: IEC 62619, IEC 62477, IEC 60730, IEC 61000, UN 38.3
- Company certifications: ISO 9001, ISO 14001, ISO 45001, SA8000
- Environmental compliance: RoHS, REACH, Cobalt free
- Eco-friendly: Low noise, new type of eco-friendly refrigerant, high recyclability.



 261 kWh
Nominal Energy

 100 kW
Nominal Power

 Liquid Cooling
Temperature
-30°C ~ 50 °C

 IP55
Protection Level

GENERAL	
Battery Type	LFP 314 Ah
Module Configuration	1P52S
No. of Battery Modules	5
Cooling Method	Liquid cooling
Dimension (L×W×H, mm)	1350x1000x2380mm
Cabinet Weight	Approx. 2.7t
Protection Level	IP55
Operating Temperature	-30°C~50°C (charging below 0°C requires coolant heating mode)
Altitude	≤4000 m (>2000 m derating)

DC SIDE PARAMETERS	
Nominal Voltage	832 V
Operating Voltage	715V~923V
Nominal Energy Cabinet	261 kWh
Nominal Energy Module	52.2 kWh
Nominal Charge/ Discharge Rate	0.5P/0.5P
Communication Interface	CAN/RS485/Ethernet

PV STRING INPUT DATA	
Max. PV Access Power	200 kW
Max. PV Input Power	160 kW
Max. PV Input Voltage(V)	1000
Start-up Voltage(V)	180
MPPT Voltage Range(V)	150~850
Rated PV Input Voltage(V)	650
Max. Operating PV Input Current(A)	42
Max. Input Short-Circuit Current(A)	63
No. of MPP Trackers	8

AC SIDE PARAMETERS (HYBRID INVERTER)	
Optional Brands of Hybrid Inverter	Deye/Solis/Growatt
Nominal Voltage	400Vac,3P+N+PE
Nominal Grid Frequency	50Hz/60Hz
Nominal Power	100 kW
Maximum Power	110 kW
Nominal Output Current	145A
Maximum Output Current	159.5A
Communication Interface	CAN/RS485
Peak Power (off-grid) (W)	1.5 times the rated power for 10 s
Power Factor Adjustment Range	0.8 leading to 0.8 lagging

SAFETY MEASURES	
Fire Alarm System	Smoke detector, Temperature detector
Fire Suppression	Aerosol system
Safety Design	Deflagration venting, fire hose coupling

CERTIFICATIONS	
Safety Certifications	IEC 62619, IEC 62477, IEC 60730, IEC 61000, UN38.3
PCS Certifications	EN50549-1, G99
Compliance	RoHS, REACH, Cobalt-free



Document is subject to regular updates, corrections, and improvements.
Please check that you are using the latest version.
Picture for illustration purposes only.

Specialized Battery Solutions

Purpose-built battery solutions for mobile power, recreational vehicles and replacement applications.



RV & Mobile Power

Mobile Energy Freedom
12V / 24V Systems



Golf Cart Battery

Reliable Mobility Power
48V / 72V Options



Lead-Acid Replacement

Battery Upgrade Solution
Longer Life, Higher Efficiency

RV Battery Series



4P4S

Max. Connection

IP65

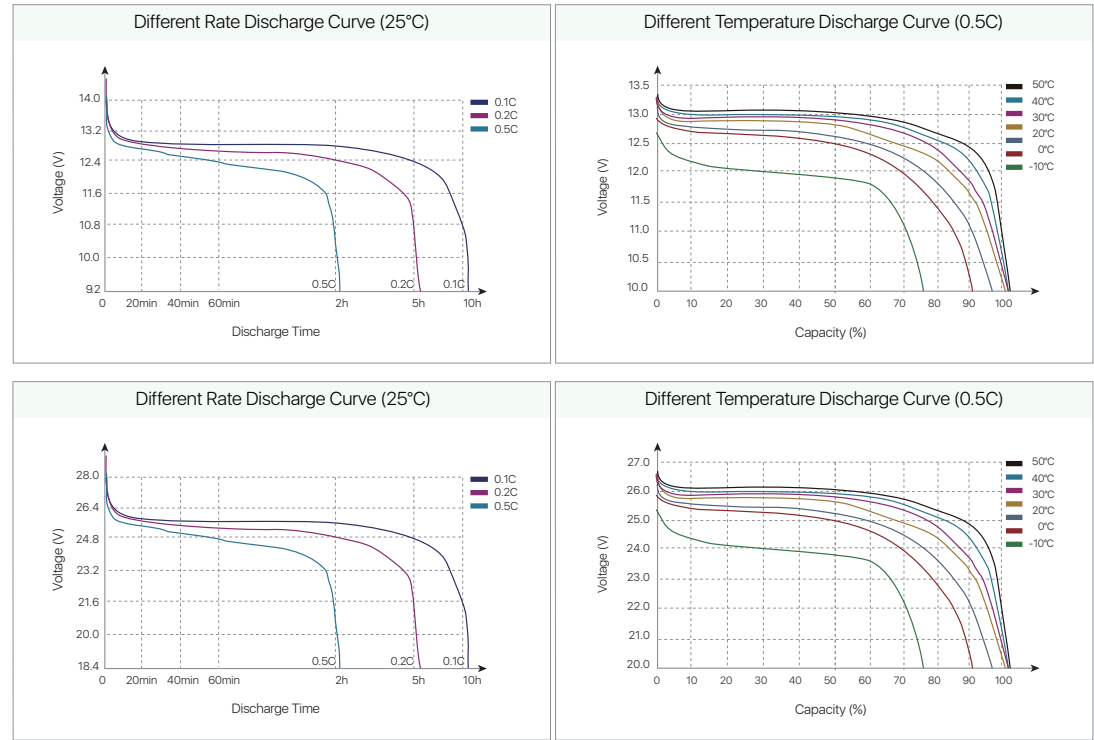
Waterproof Rating

8000 Cycles

Max. Cycle Life

- Smart BMS & Bluetooth
Monitor the battery in real time
- Drop-in replacement
Same footprint as lead-acid, M8 terminals
- RV · Marine · Solar · UPS
One battery for every 12V/24V application

Model	Nominal Voltage	Nominal Capacity	Max. Discharge Current	Max. Charging Current	Size(mm)	Weight	Cycle Life
BG12-100	12.8 V	100 Ah	100A	100A	260×170×212 mm	12 kg	4000
BG12-230	12.8 V	230 Ah	200A	200A	384×194×252 mm	20 kg	6000
BG12-314	12.8 V	314 Ah	200A	200A	387×206×273 mm	26 kg	8000
BG12-628	12.8 V	628 Ah	200A	200A	635×244×221 mm	48 kg	8000
BG24-100	25.6 V	100 Ah	100A	100A	522×242×222 mm	20 kg	4000
BG24-230	25.6 V	230 Ah	200A	200A	522×268×222 mm	38 kg	6000
BG24-314	25.6 V	314 Ah	200A	200A	635×244×221 mm	48 kg	8000



Golf Cart Battery Series



4P

Max. Connection

App

Smart Monitoring

4000 Cycles

Max. Cycle Life

- Smart BMS
Multi-level protection
- Better Performance
Up to 200A discharge current
- Longer Range
Up to 50 Miles per Charge with Strong Acceleration

Model	BR-GC-51105-JB	BR-GC-51125-JB	BR-GC-51150-JB	BR-GC-76105-JB
Nominal Voltage	51.2 V	51.2 V	51.2 V	76.8 V
Nominal Capacity	105 Ah	125 Ah	150 Ah	105 Ah
Max. Charge Current	100A	100A	100A	100A
Max. Discharge Current	200A	200A	200A	200A
Size (mm)	560×330×210 mm	580×330×243 mm	580×330×275 mm	730×420×460 mm
Weight	43 kg	45 kg	58 kg	87 kg
Cycle Life	4000	4000	4000	4000



- 1. Fits major golf cart brands, RS485 optional.
- 2. Warranty: 5 Years (warranty or cycle life, whichever comes first)



For more information

Sodium-Ion Battery



4P4S

Max.
Connection

IP65

Waterproof
Rating

4000
Cycles

Max. Cycle Life

EXTREME TEMPERATURE PERFORMANCE
≥75% Capacity at -30°C

EXTREME OVER-DISCHARGE RECOVERY
Cell-level 0V Recovery Capability

HIGH-POWER PERFORMANCE
200A Max. Charge/Discharge

LONG CYCLE LIFE
4,000+ Cycles

Parameter	BG-12200N-JK	BG-24200N-JK
Battery Chemistry	Sodium-Ion	Sodium-Ion
Cell Configuration	4S	8S
Nominal Voltage	12 V	24 V
Nominal Capacity	200 Ah (0.2C, 25°C)	200Ah (0.2C, 25°C)
Nominal Energy	2.4 kWh	4.8 kWh
Cycle Life	≥4,000 cycles	≥4,000 cycles
Maximum Charge Voltage	15.2 V	30.4 V
Pack Overvoltage Protection	15.8 V	31.6 V
Pack Undervoltage Protection	8.0 V	16.0 V
Standard Inverter Window	10.0–14.6 V	20.0–29.2 V
Recommended Configurable Low-Voltage Cut-Off	8.5 V	17 V
Maximum Charge Current	200A	200A
Standard Charge Current	50A	50A
Maximum Discharge Current	200A	200A
Charge Temperature Range	-10°C to 60°C	-10°C to 60°C
Discharge Temperature Range	-30°C to 60°C	-30°C to 60°C
Balancing	Active Balancing	Active Balancing
Monitoring	Bluetooth	Bluetooth
Series / Parallel Connection	Max. 4S4P Configuration	Max. 2S4P Configuration
Dimensions(L×W×H)	387×206×273 mm	635×244×218 mm
Net Weight	27±1 kg	44.5±1 kg

*The 8.5V/17V, 8V/16V low-voltage cut-off applies to compatible configurable inverter platforms. The BMS protection boundary remains at 8.0V/ 16.0V respectively.

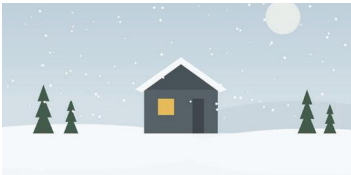
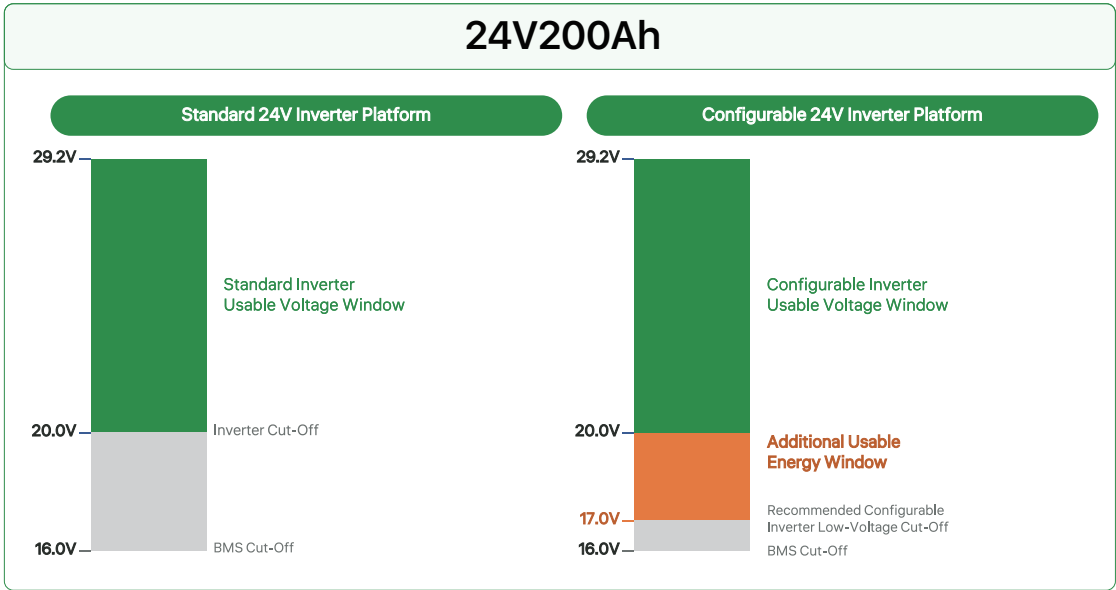
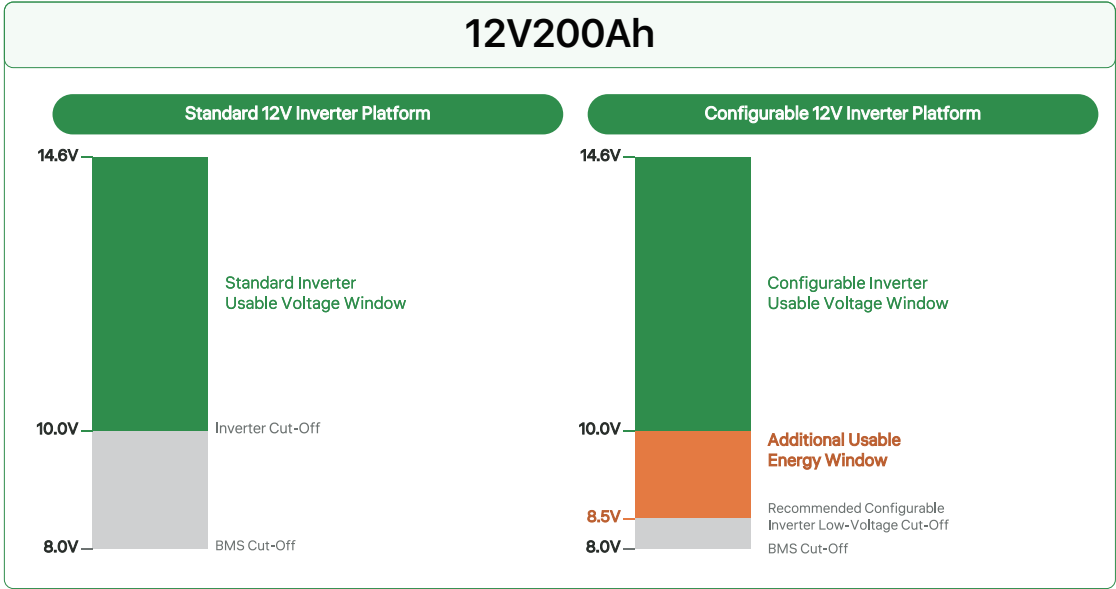
*Capacity utilization may vary with inverter settings, temperature, discharge current and system configuration.

*Cycle life is based on the sodium-ion cell specification. Actual service life varies with depth of discharge, charge/discharge rate, temperature and operating conditions.

*Warranty: 5 Years (warranty or cycle life, whichever comes first)

VOLTAGE WINDOW COMPARISON FOR SYSTEM INTEGRATION

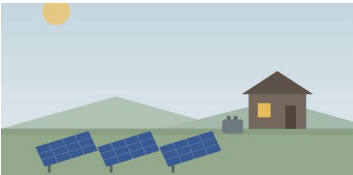
A configurable inverter unlocks a wider usable energy window for sodium-ion batteries.



Cold-Climate Backup Power
Reliable backup power in extreme cold



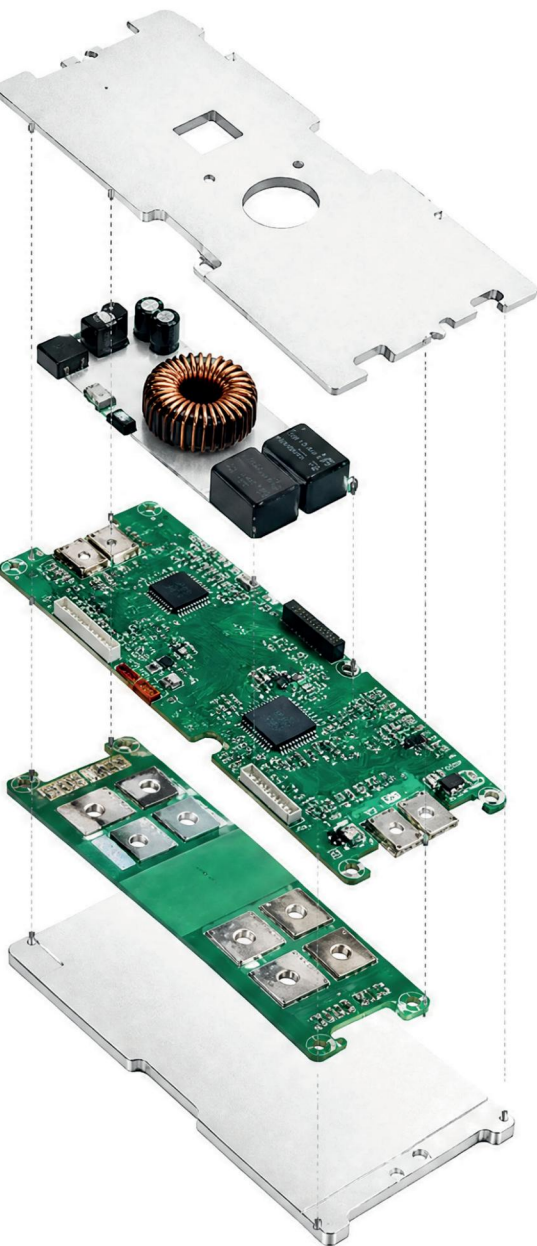
RV & Mobile Power
Reliable 12V/24V power for life on the move



Off-Grid Energy Systems
Storage for standalone solar systems

Basengreen SMART BMS TECHNOLOGY

Intelligent protection, flexible communication and complete battery visibility.



VOLTAGE PROTECTION

Protects cells against excessive charging and deep discharge.



OVERCURRENT PROTECTION

Protect against excessive current to ensure stable operation.



SHORT-CIRCUIT PROTECTION

Instantly cut off current in case of a short circuit to prevent damage.

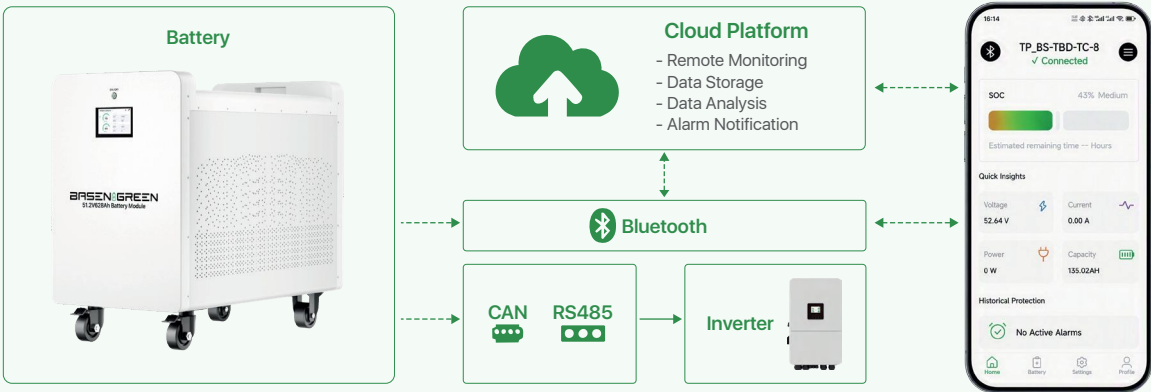


TEMPERATURE PROTECTION

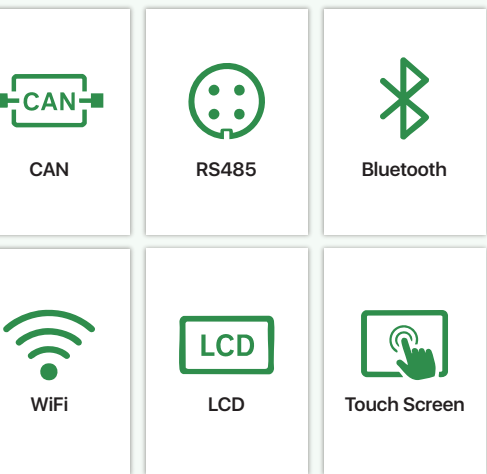
Monitor temperature in real-time and protect against overheating.

SMART BATTERY COMMUNICATION ARCHITECTURE

Real-Time Monitoring • Multi-Level Protection • APP Control • Cloud Management • Inverter Communication



FLEXIBLE COMMUNICATION



WIDE COMPATIBILITY



TECHNICAL RESOURCES AVAILABLE



BMS Datasheet

Technical specifications and parameters



CAN / RS485 Protocol

Communication protocol documentation



Inverter Compatibility List

Supported inverter brands and models

BASENGREEN



Scan to Download

Global Certifications & Compliance

Built on strict quality control and advanced technology, our products meet internationally recognized standards for safety, reliability, and performance.

Our global certifications reflect our commitment to delivering trusted energy solutions worldwide.



Safety

Ensuring product safety and reliability



Quality

Internationally recognized standards



Performance

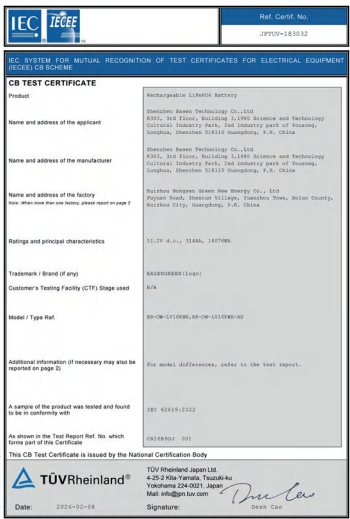
High efficiency and durability



Global

Trusted energy solutions worldwide

Our Certifications



TÜV IEC 62619

Certificate No.: JPTUV-183032



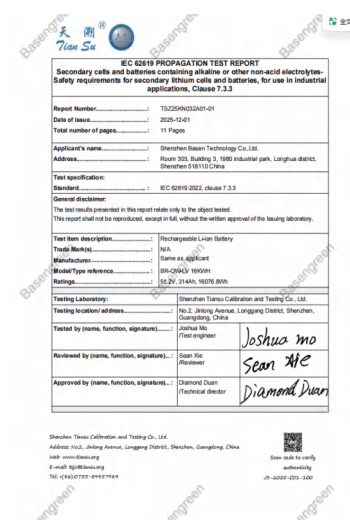
CE

Certificate No.: HTT2025071045E



EU 2023/1542

Test Report / DoC No.: CZH12250604062R01



PROPAGATION TEST

Report No.: TSZ25KN032A01-01



UKCA

Certificate No.: XK2410013021C



ISO 9001

Certificate No.: 25826Q00040R001

EUROPEAN INSTALLATION PROJECTS

Italy



Bulgaria



Denmark



Netherlands



Portugal



Netherlands



MIDDLE EAST INSTALLATION PROJECTS

Iraq



Iraq



Iraq



Iraq



Yemen



Yemen



Warranty



12V/24V Batteries

5 Years

Product warranty



ESS System

10 Years

BMS: 2 Years · Inverter: 1 Year



DIY Cases

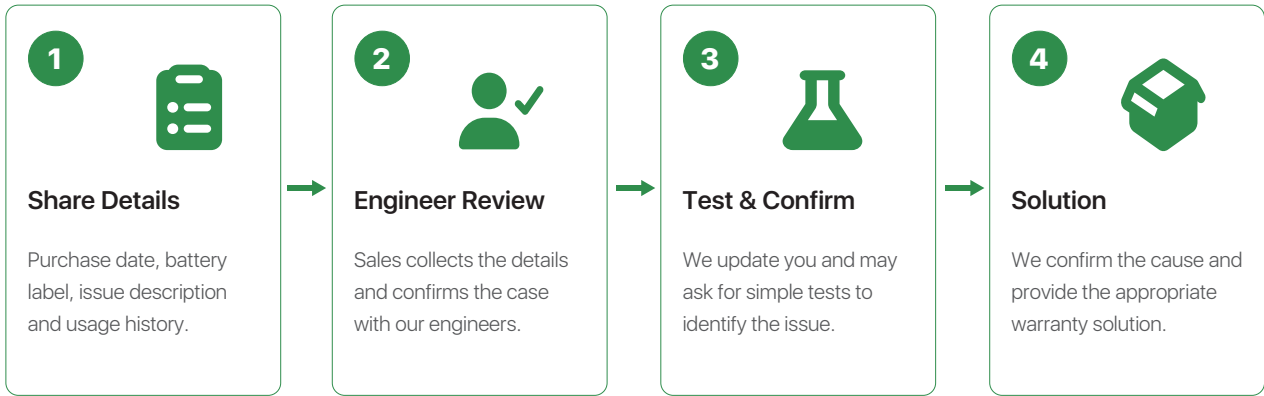
1 Year

Product warranty

How a Warranty Claim Works

Share the key information once — our sales and engineering teams will review, test if needed, and confirm the fastest solution.

SIMPLE 4-STEP PROCESS



Warranty Resolution



Manufacturing-Related Part Issue

Replacement parts are shipped quickly from a local warehouse or from China.



Non-Repairable Product

If repair is not possible, we provide a complete replacement battery after confirmation.



Good to Know

The warranty starts on the original purchase date. Proof of purchase and the battery label are required. Coverage applies to manufacturing defects under normal use and installation according to the product manual.

Global Presence & Local Support

Local stock, regional fulfillment, and dedicated after-sales service centers — supporting your business in your time zone.





WAREHOUSES



Poland Warehouse

EU STOCK & FAST DISPATCH

Established 2020. Central EU inventory hub with 3–7 day delivery, replacement parts and partnered repair support.



Spain & Italy Warehouses

SOUTHERN EUROPEAN STOCK

Established 2026. Regional stock hubs supporting Southern Europe with shorter transit times and flexible pickup.



USA Warehouse

NORTH AMERICAN FULFILLMENT

Established 2020. Stock and logistics support for North American partners and distributors.



TECHNICAL SERVICE



Iraq Sales, Warehouse & Service Center

TECHNICAL & SPARE PARTS HUB

Established 2025. Local stock dispatch, sales support, technical service and spare parts for fast response.



Yemen Sales, Warehouse & Service Center

LOCAL SERVICE & SPARE PARTS

Established 2025. Regional stock, sales support and after-sales service for local partners.



Romania Partnered Repair Hub

EUROPEAN TECHNICAL SUPPORT

Partnered service center providing diagnostics, maintenance and spare parts support across Romania.

Global Service Footprint

LOCATION	FUNCTION	SINCE
📍 Shenzhen, China	Headquarters & Manufacturing Base (12,000 m ²)	2013 / 2019
📍 Poland	European Fulfillment, Stock Hub & Partnered Repair Center	2020
📍 USA	North American Fulfillment Warehouse	2020
📍 Iraq	Sales Office, Regional Warehouse & Service Center	2025
📍 Yemen	Sales Office, Regional Warehouse & Service Center	2025
📍 Spain & Italy	Southern European Local Warehouses	2026
📍 Romania	Partnered Local Technical Repair Center	2026



Ask about distribution rights for your region

with dedicated local support and focused brand growth.

32

GLOBAL



Building connections, creating

PARTNERS



opportunities, growing together.



EUROPE

- Romania
- Spain
- Italy
- Ukraine
- Netherlands
- Denmark
- Bulgaria
- France
- Germany
- Greece
- Iceland
- Moldova
- Poland
- Portugal
- Russia
- United Kingdom
- Cyprus



AFRICA

- Nigeria
- South Africa
- Sudan



MIDDLE EAST

- Iraq
- Yemen
- Turkey
- Saudi Arabia
- UAE



ASIA

- Myanmar
- Philippines
- Sri Lanka
- China



OCEANIA

- Australia



NORTH AMERICA

- Puerto Rico
- United States
- The Bahamas

About Basengreen

Basengreen is a global provider of advanced energy storage solutions, specializing in LiFePO₄ battery packs and integrated systems for residential, commercial and industrial applications. With more than a decade in the energy sector, we focus on innovation, performance and long-term reliability. Operating in 100+ countries, we deliver certified products and flexible OEM/ODM support.



2013
Founded in Shenzhen

ISO 9001
Certified Factory

12,000 m²
Facility area

2 GWh
Annual capacity

Company Milestones

2013 — 2026

2013	Company established in Shenzhen
2016	Key certifications obtained: CE, UN38.3, RoHS
2017	BASEN brand launched
2019	Own manufacturing facility established
2020	Basengreen brand launched; Poland & USA warehouses opened
2024	TÜV IEC certification; recognized as a High-Tech Enterprise
2025	Middle East market expansion
2026	Spain & Italy warehouses and Romania repair hub added

Today, Basengreen combines certified manufacturing, OEM/ODM capability and a growing international presence to support long-term energy storage partnerships.

OEM/ODM Energy Storage Solutions

Build your own energy storage brand with Basengreen. From product customization to mass production, we provide a complete OEM solution for global energy storage brands.



Customizable Enclosure

Mounting Design

Internal Structure

Complete OEM Process

01

Requirement Analysis
Market positioning · Product specifications · Target price

02

Design & Prototype
Logo · Color · Label · Packaging · Product structure

03

Testing & Approval
Aging test · Inverter compatibility · Sample confirmation

04

Mass Production
Cell matching · Assembly · BMS commissioning · QC inspection

05

Delivery & Support
Logistics · Installation guidance · Technical support · After-sales

Customization Options

- ✓ Capacity: 50Ah – 628Ah.
- ✓ Mounting Type: Wall-mounted/ Floor-mounted/ Rack-mounted.
- ✓ Cell Options: AESC / EVE / REPT / DESAY / CATL, etc.
- ✓ BMS: Basengreen / JK / JBD, etc.

Custom Functions

- Heating pad
- Active balancing
- Fan cooling
- Waterproof & dustproof
- Fire protection system

More functions available on request.