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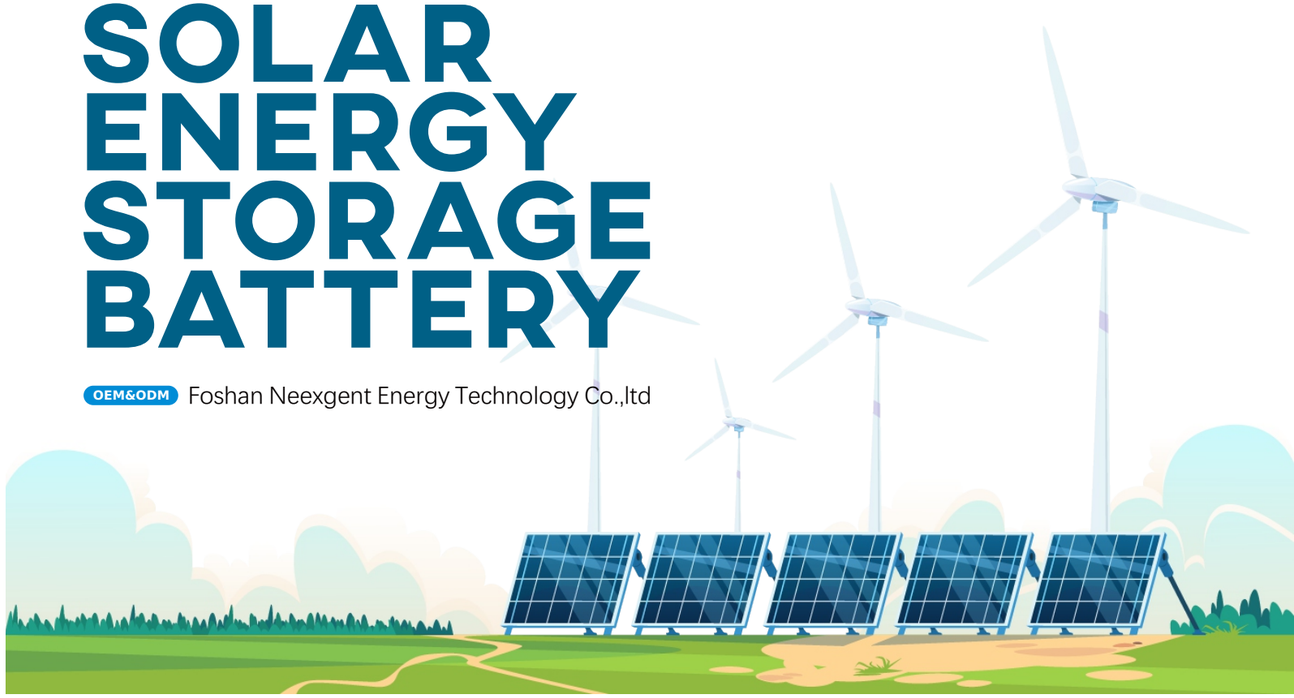
SOLAR ENERGY STORAGE BATTERY

OEM&ODM Foshan Neexgent Energy Technology Co.,ltd



Foshan Neexgent Energy Co.,Ltd.

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Company Profile

NEEXGENT is a dynamic and innovative company at the forefront of the clean energy revolution. With a strong focus on lithium batteries and solar energy storage systems, we are committed to driving the transition to a sustainable and renewable energy future. Our cutting-edge technologies, coupled with a dedication to research and development, enable us to deliver high-performance, reliable, and cost-effective energy storage solutions for residential, commercial, and utility-scale applications. At NEEXGENT, we believe in harnessing the power of clean energy to create a greener world for generations to come.

Technological Innovation:

NEEXGENT combines extensive research, engineering expertise, and a passion for innovation to develop industry-leading energy storage solutions. We continuously push boundaries and leverage emerging technologies to optimize the efficiency, safety, and lifespan of our lithium battery systems.

Commitment to Sustainability:

Sustainability is at the core of everything we do. By providing advanced lithium battery and solar energy storage systems, we empower individuals, businesses, and communities to reduce their carbon footprint, minimize reliance on fossil fuels, and contribute to a cleaner planet.

Quality and Reliability:

NEEXGENT prioritizes quality and reliability in all aspects of our operations. Our products undergo rigorous testing and adhere to stringent quality standards, ensuring that our customers receive energy storage solutions they can trust for long-term performance and durability.

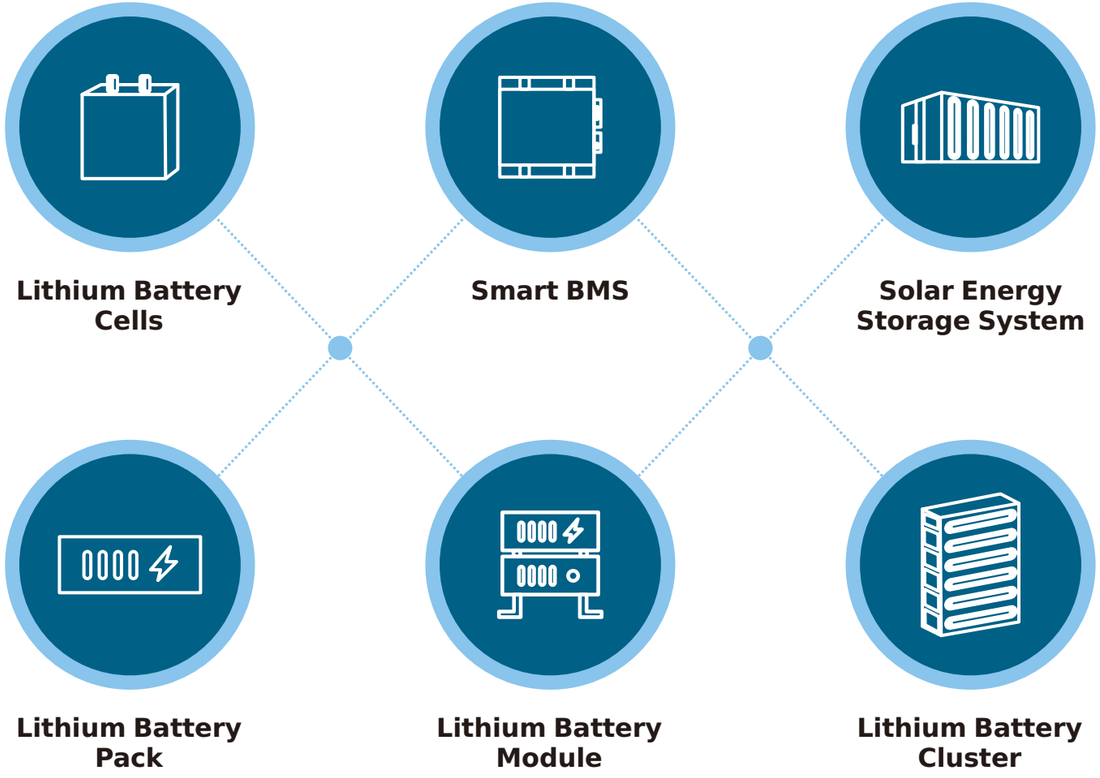
Customer-Centric Approach:

We are dedicated to delivering exceptional customer experiences. Our team of experts works closely with clients to understand their unique energy requirements and design tailored solutions that meet their specific needs. We provide comprehensive support, from system design and installation to ongoing maintenance and customer service

At NEEXGENT, our mission is to revolutionize the energy landscape by providing advanced lithium battery and solar energy storage systems that empower individuals, businesses, and communities to embrace clean energy solutions. Through technological innovation, unwavering commitment to sustainability, and a customer-centric approach, we strive to be a catalyst for positive change, driving the adoption of renewable energy and paving the way for a brighter and more sustainable future.

Join us in shaping a world powered by clean energy. Together, let's redefine the possibilities of energy storage and build a greener tomorrow with NEEXGENT.

Main Product Category



Development History

NEEXGENT has been pushing the boundaries of clean energy and redefining what is possible.From powering homes and businesses to enabling off-grid solutions that drive us towards a greener and more sustainable future.

2017

NEEXGENT is founded with a vision to revolutionize the energy industry through sustainable solutions, focusing on lithium batteries and solar energy storage systems.

Extensive research and development (R&D) efforts begin to create innovative and high-performance energy storage technologies.

2018

NEEXGENT establishes strategic partnerships with leading manufacturers and suppliers, securing the necessary resources to advance their product development and manufacturing capabilities.

The company launches its first-generation lithium battery systems, catering to residential and commercial applications.

2019

NEEXGENT experiences rapid growth and expands its operations to meet increasing market demand.

The company achieves several industry certifications and accolades for its high-quality and reliable energy storage solutions.

2020

NEEXGENT pioneers advancements in lithium battery technology, introducing more efficient and higher-capacity battery systems.

The company establishes a dedicated R&D facility to further enhance product performance and explore emerging energy storage technologies.

2021

NEEXGENT experiences a significant surge in demand as solar energy adoption continues to rise globally.

The company launches its next-generation lithium battery systems, featuring enhanced safety, longer lifespan, and increased energy density.

2022

NEEXGENT expands its market reach and establishes international distribution channels, enabling the company to serve customers across various regions.

The company actively collaborates with renewable energy developers and utilities to integrate its energy storage systems into large-scale projects.

OEM&ODM Deep Cycle Rechargeable LiFePo4 Battery

Powerwall Battery

NX-48 | 5KW/10KW

51.2V 100Ah/200Ah

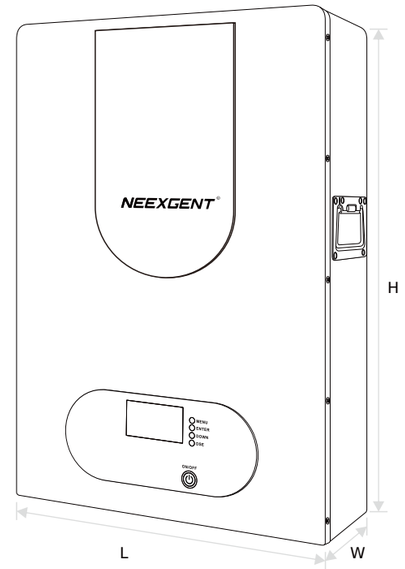
Product Features

- **BMS SYSTEM** Bluetooth control monitoring
- **6000+** cycle life
- **GRADE A** High-quality battery
- **10 YEARS** Quality guarantee

Matching Inverters

STUDER, Deye, victron energy, T&B POWER, PYLONTECH, SOFAR SOLAR, GROWATT, SMA, Life Is On Schneider Electric, solis, GOODWE, SOROTEC, Voltronic Power, MUST, SRNE, LUXPOWERTEK

Product Parameters



Dimension (L x W x H)	**100Ah:** 400 x 165 x 600mm (15.7 x 6.5 x 23.6”) **200Ah:** 400 x 250 x 630mm (15.7 x 9.8 x 24.8”)
Approx. Weight	**100Ah:** 88lbs (40kgs) **200Ah:** 198lbs (90kgs)
Case Material	METAL
Enclosure Protection	**IP65** waterproof

ELECTRICAL PERFORMANCE		
Nominal Voltage	51.2V	51.2V
Nominal Capacity	100 Ah	200 Ah
Capacity @ 20A	300 min	300 min
Energy	5120Wh	10240Wh
Communication	CAN2.0/RS232/RS485	CAN2.0/RS232/RS485
Resistance	≤0.5 mΩ @ 50% SOC	≤0.5 mΩ @ 50% SOC
Efficiency	>96%	>96%
Module Parallel	Up to 15 packs	Up to 15 packs
Cycle Life	⩾6000	⩾6000
Warranty	10 years	10 years

CHARGE PERFORMANCE		
Recommended Charge Current	100A	200A
Maximum Charge Current	100A	200A
Recommended Charge Voltage	57.6V	57.6V
BMS Charge Cut-Off Voltage	<58.4 V (3.65V/Cell)	<58.4 V (3.65V/Cell)
Reconnect Voltage	>57.6 V (3.6V/Cell)	>57.6 V (3.6V/Cell)
Balancing Voltage	<57.6 V (3.6V/Cell)	<57.6 V (3.6V/Cell)
Maximum Batteries in Series	16 (*Consult NEEXGENT)	16 (*Consult NEEXGENT)
Charge Temperature	-4~113 °F(0~45 °C)	-4~113 °F(0~45 °C)

DISCHARGE PERFORMANCE		
Maximum Continuous Discharge Current	100 A	200 A
Peak Discharge Current	110 A (3s)	205 A (3s)
BMS Discharge Cut-Off Current	150 A (300ms)	250 A (300ms)
Balancing open voltage	55.2V (3.45V/Cell)	55.2V (3.45V/Cell)
Recommended Low Voltage Disconnect	44 V (2.75V/Cell)	44 V (2.75V/Cell)
BMS Discharge Cut-Off Voltage	>32.0V (2s) (2.0V/Cell)	>32.0V (2s) (2.0V/Cell)
Reconnect Voltage	>40.0 V (2.5V/Cell)	>40.0 V (2.5V/Cell)
Short Circuit Protection	250 ~ 500 μs	250 ~ 500 μs
Discharge Temperature	-4~ 131 °F(-20 ~55 °C)	-4~ 131 °F(-20 ~55 °C)

OEM&ODM Deep Cycle Rechargeable LiFePo4 Battery

Powerwall Battery

NX02-48 | 5KW/10KW

51.2V 100Ah/200Ah

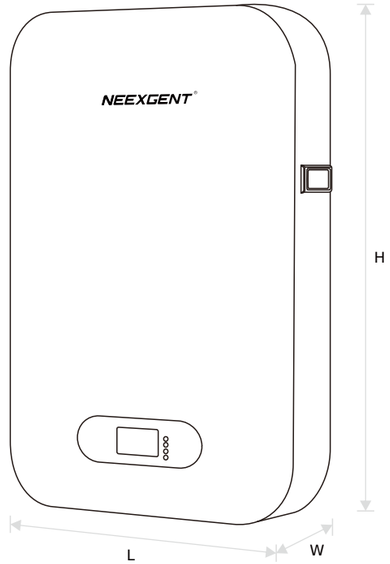
Product Features

- **BMS SYSTEM** — Bluetooth control monitoring
- **6000+** — cycle life
- **GRADE A** — High-quality battery
- **10 YEARS** — Quality guarantee

Matching Inverters

STUDER, Deye, victron energy, T&B POWER, PYLONTECH, SOFAR SOLAR, GROWATT, SMA, Schneider Electric, solis, GOODWE, SOROTEC, Voltronic Power, MUST, SRNE, LUXPOWERTEK

Product Parameters



Dimension (L x W x H)	**100Ah:** 495 x 116 x 730mm (19.4 x 4.5 x 28.7”) **200Ah:** 495 x 211 x 730mm (19.4 x 8.3 x 28.7”)
Approx. Weight	**100Ah:** 194lbs (88kgs) **200Ah:** 216lbs (98kgs)
Case Material	METAL
Enclosure Protection	**IP65** waterproof

ELECTRICAL PERFORMANCE		
Nominal Voltage	51.2V	51.2V
Nominal Capacity	100 Ah	200 Ah
Capacity @ 20A	300 min	300 min
Energy	5120Wh	10240Wh
Communication	CAN2.0/RS232/RS485	CAN2.0/RS232/RS485
Resistance	≤0.5 mΩ @ 50% SOC	≤0.5 mΩ @ 50% SOC
Efficiency	>96%	>96%
Module Parallel	Up to 15 packs	Up to 15 packs
Cycle Life	⩾6000	6000
Warranty	10 years	10 years

CHARGE PERFORMANCE		
Recommended Charge Current	100A	200A
Maximum Charge Current	100A	200A
Recommended Charge Voltage	57.6V	57.6V
BMS Charge Cut-Off Voltage	<58.4 V (3.65V/Cell)	<58.4 V (3.65V/Cell)
Reconnect Voltage	>57.6 V (3.6V/Cell)	>57.6 V (3.6V/Cell)
Balancing Voltage	<57.6 V (3.6V/Cell)	<57.6 V (3.6V/Cell)
Maximum Batteries in Series	16 (*Consult NEEXGENT)	16 (*Consult NEEXGENT)
Charge Temperature	-4~113 °F(0~45 °C)	-4~113 °F(0~45 °C)

DISCHARGE PERFORMANCE		
Maximum Continuous Discharge Current	100 A	200 A
Peak Discharge Current	110 A (3s)	205 A (3s)
BMS Discharge Cut-Off Current	150 A (300ms)	250 A (300ms)
Balancing open voltage	55.2V (3.45V/Cell)	55.2V (3.45V/Cell)
Recommended Low Voltage Disconnect	44 V (2.75V/Cell)	44 V (2.75V/Cell)
BMS Discharge Cut-Off Voltage	>32.0V (2s) (2.0V/Cell)	>32.0V (2s) (2.0V/Cell)
Reconnect Voltage	>40.0 V (2.5V/Cell)	>40.0 V (2.5V/Cell)
Short Circuit Protection	250 ~ 500 μ s	250 ~ 500 μ s
Discharge Temperature	-4~ 131 °F(-20 ~55 °C)	-4~ 131 °F(-20 ~55 °C)

OEM&ODM Deep Cycle Rechargeable LiFePo4 Battery

Tower Energy Storage Battery

NXW-48 5KW/10KW/15KW

51.2V 100Ah/200Ah/300Ah

Product Features

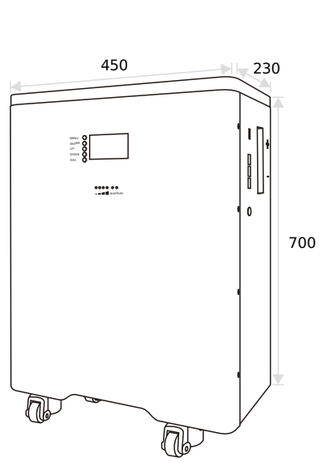
- **BMS SYSTEM** Bluetooth control monitoring
- **6000+** cycle life
- **GRADE A** High-quality battery
- **10 YEARS** Quality guarantee

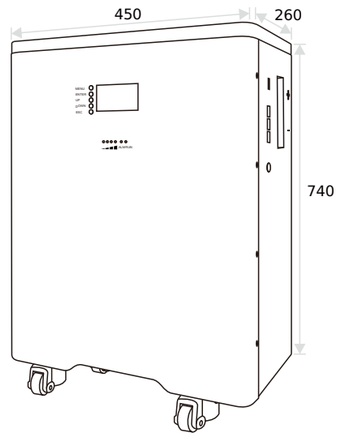
Matching Inverters

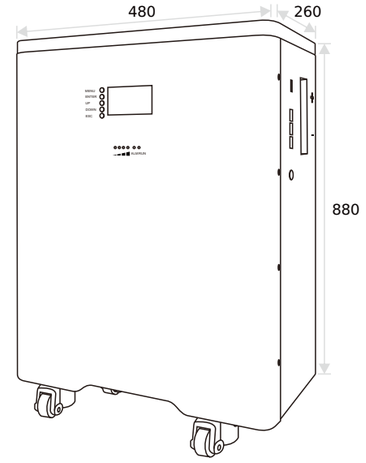
STUDER, Deye, victron energy, T&B POWER, PYLONTECH, SOFAR SOLAR, GROWATT, SMA SOLAR TECHNOLOGY, Schneider Electric, solis, GOODWE, SOROTEC Power Solutions Expert, Voltronic Power, MUST, SRNE, LUXPOWER TEK

Product Parameters

Note unit: **mm**







Model	NXW-48100	NXW-48200	NXW-48300
Usable Capacity	5KWH	10KWH	15KWH
Voltage	48V	48V	48V
Rated Voltage	51.2V	51.2V	51.2V
Charge Voltage	57.6V	57.6V	57.6V
Discharge Voltage Range	48-57.6V	48-57.6V	48-57.6V
MAX. Charge & Discharge Current	100A	200A	300A
Rated Charge & Discharge Current	50A	100A	150A
MAX. Output Power	5120W	10240W	15360W
Recommend Output Power	3000W	6000W	9000W
Weight(kg)	126kg	183kg	240kg
DOD	⩾95	≥95	≥95
Modules Connection	15in parallel	15in parallel	15in parallel
Communication	CAN&RS485	CAN&RS485	CAN&RS485
Waterproof	IP33	IP33	IP33
Cycle Life	≥6000	≥6000	≥6000

Product Features

1. Stronger Iron Phosphate-lithium power battery
2. Higher energy density,smaller volumn for household.
3. Photovoltaic system:this battery pack is designed for household photovoltaic systems.
4. Expandability: this battery pack can be easily expanded by adding expansion battery packs in parallel connection.
5. Long warranty period: 10 years
6. Support Connected in parallel mode for expansion.
7. Battery management system(BMS):the battery packs built-in BMS monitors its operation and prevents the battery from operating outside design limitations.

OEM&ODM Deep Cycle Rechargeable LiFePo4 Battery

Stacked Energy Storage Battery

NX01-48

15KW/20KW/25KW

51.2V 300Ah/400Ah/500Ah

Product Features

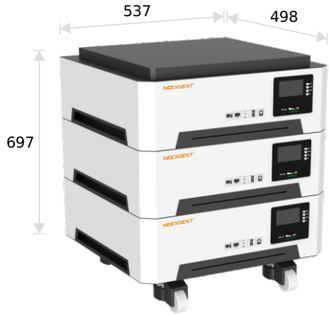
- **BMS SYSTEM** Bluetooth control monitoring
- **6000+** cycle life
- **GRADE A** High-quality battery
- **10 YEARS** Quality guarantee

Matching Inverters

STUDER · Deye · victron energy · TBB POWER · PYLONTECH · SOFAR SOLAR · GROWATT · SMA · Schneider Electric · solis · GOODWE · SOROTEC · Voltronic Power · MUST · SRNE · LUXPOWER TEK

Product Parameters

Note unit: **mm**



Model	NX01-48300	NX01-48400	NX01-48500
Nominal Voltage		51.2 V	
Nominal Capacity	300 Ah	400 Ah	500 Ah
Energy	15360 Wh	20480 Wh	25600 Wh
Communication		CAN2.0/RS232/RS485	
Resistance		⩽50 mΩ @ 50% SOC	
Efficiency		⩽96%	
Recommended Charge Current		100A	
Maximum Continuous Discharge Current		100A	
Maximum load power		5KW	
Recommended Charge Voltage		57.6V	
BMS Charge Cut-Off Voltage		<58.4 V (3.65V/Cell)	
Reconnect Voltage		>57.6 V (3.6V/Cell)	
Balancing Voltage		<57.6 V (3.6V/Cell)	
Balancing open voltage		55.2V (3.45V/Cell)	
Recommended Low Voltage Disconnect		44 V (2.75V/Cell)	
BMS Discharge Cut-Off Voltage		>40.0V (2s) (2.5V/Cell)	
Reconnect Voltage		>44.0 V (2.75V/Cell)	
Discharge Temperature		-4 ~ 131 ºF (-20 ~ 55 ºC)	
Charge Temperature		-4 ~ 113 ºF (0 ~ 45 ºC)	
Storage Temperature		23 ~ 95 ºF (-5 ~ 35 ºC)	
BMS High Temperature Cut-Of		149 ºF (65 ºC)	
Reconnect Temperature		131 ºF (55 ºC)	
Approx. Weight	140 kg	190 kg	240 kg
Terminal Type		DIN POST	
Terminal Torque		80 ~ 100 in-lbs (9 ~ 11 N-m)	
Case Material		SPPC	
Enclosure Protection		IP20	

OEM&ODM Deep Cycle Rechargeable LiFePo4 Battery

Rackmount Energy Storage Battery

BD512100

15KW/20KW/25KW

51.2V 300Ah/400Ah/500Ah

Product Features

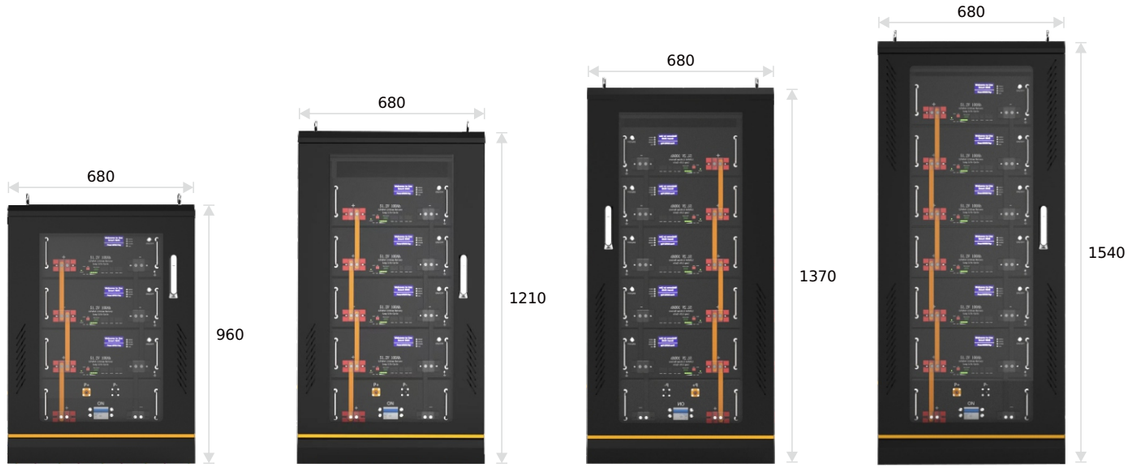
- **BMS SYSTEM** — Bluetooth control monitoring
- **6000+** — cycle life
- **GRADE A** — High-quality battery
- **10 YEARS** — Quality guarantee

Matching Inverters

STUDER, Deye, victron energy, TBB POWER, PYLONTECH, SOFAR SOLAR, GROWATT, SMA, Schneider Electric, solis, GOODWE, SOROTEC, Voltronic Power, MUST, SRNE, LUXPOWER

Product Parameters

Note unit: **mm**



Model No.	BD512100-3P+1	BD512100-4P+1	BD512100-5P+1	BD512100-6P+1
Nominal Voltage	51.2V			
Nominal Capacity	300Ah	400Ah	500Ah	600Ah
Charge Style	CC/CP			
Charging Current	MAX150A			
End-of-charge Voltage	58.4V			
Discharge Style	CC/CP			
Discharging Current	MAX200A			
End-of-discharge Voltage	45V			
Display	LCD			
Communication	485/232/CAN			
Working Temparature	Charging 0-55℃ Discharging -20-60℃			
Storage Temperature	0-45℃ the best temparature			
Storage Humidity	5%-95%			
Shipping Status	Voltage 50-52V SOC:60%-80%			

Product Features

- ETSI standard19inch 3U rack-mount design
- Comprehensive communication
- Support parallel connection between batteries
- Build-in battery control for efficient operation
- Compatible with standard telecom equipment

Advantage

- More cabinet for value generating equipment
- No active cooling system required
- Lifetime more than10 years at +25℃
- Less weight for pole mounted sites
- High operational reliability
- Optimal management