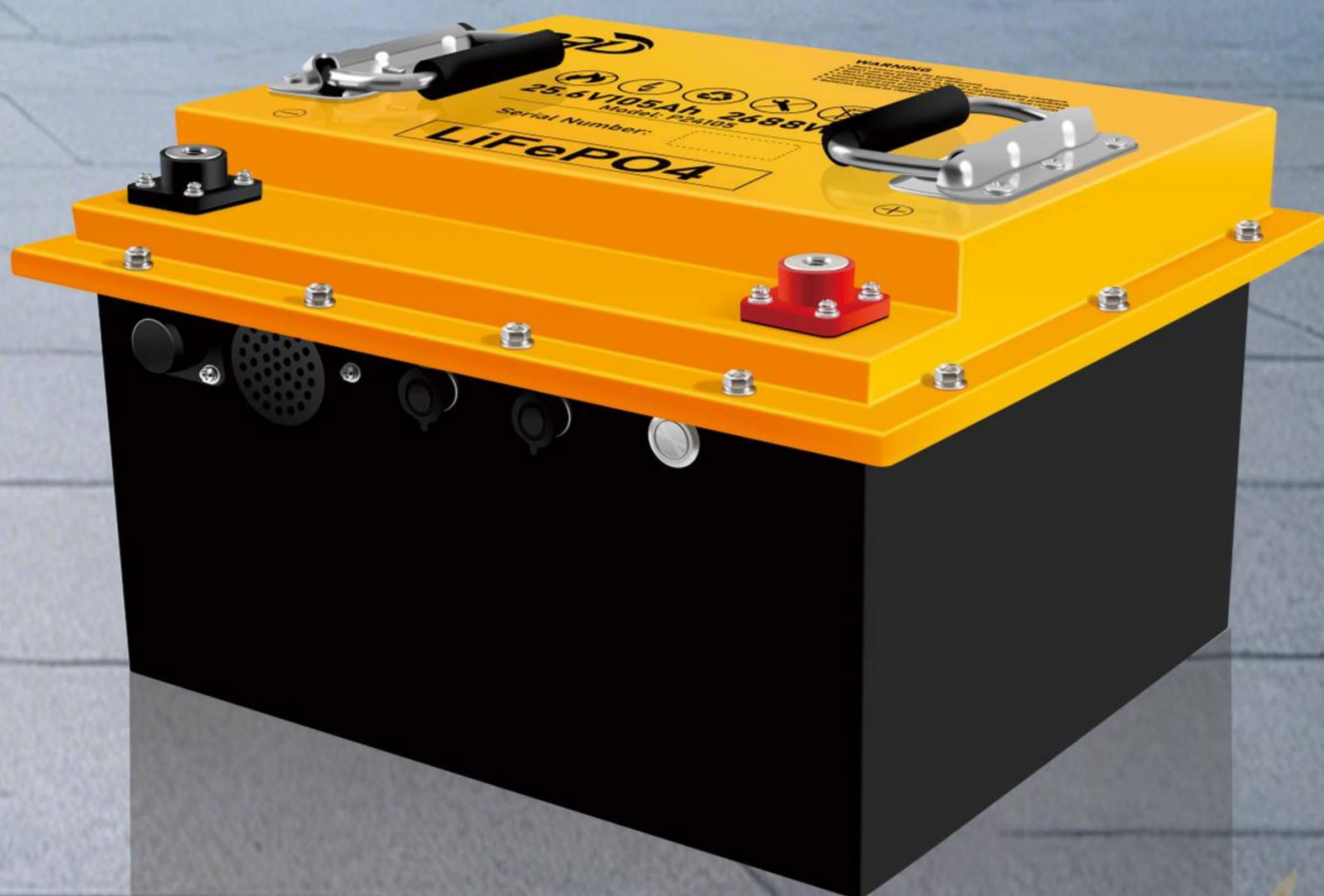




LiFePO₄ Batteries

For Cleaning Equipment

More reliable, More intelligent
Better Performance for Your Machines



About Us

PRD was founded in 2013 and specializes in the R&D, production, and sales of lithium batteries, smart chargers and BMS. Our products are widely used for floor scrubbers, sweepers, forklifts, scissor lifts, trucks, RVs, golf carts, etc.

At PRD, we source battery cells from leading brands such as EVE, CATL, ensuring that our clients receive safe, environmentally friendly, and efficient lithium battery solutions. Our batteries are certified to meet the highest standards, including CE, ETL, UN38.3, CB, Reach, RoHS, etc.

We pride ourselves on our independent development of BMS protection boards, which feature a nine-step intelligent safety protection system. Our commitment to innovation is reflected in our extensive portfolio of over 80 authorized patents. As a leading manufacturer of lithium batteries in China, PRD is committed to delivering high-quality, innovative power solutions for our global clients.



12+
Years of Production
Expertise

800+
Successful
Collaborations

ODM/OEM
Customized
Solution

Comparison➤➤➤

Lead-Acid **VS** Lithium Battery



Lead-Acid Battery



PRD LiFePO4 Battery

Cost of Ownership

High maintenance costs;
annual replacement

Low operational cost;
5-year replacement cycle

Maintenance

Frequent maintenance

0 Maintenance

Charging Speed

8 hours (slow charging)

3 hours (fast charging)

Warranty

1-year

5-year

Utilization

Requires full charge
before use

Charge anytime,
use instantly

Battery Decay

50% capacity loss per
year

5% capacity loss per year

Lifespan

500 cycles

2000 cycles



Comparison of expenses over 5 years	lead-acid battery	lithium battery
Battery Costs	5 stacks of coins	1 stack of coins
Maintenance	5 stacks of coins	0 stacks of coins
Electricity waste	5 stacks of coins	0 stacks of coins
Mounting	5 stacks of coins	1 stack of coins
Shipping	5 stacks of coins	1 stack of coins

Battery Core Features

6 Smart Features

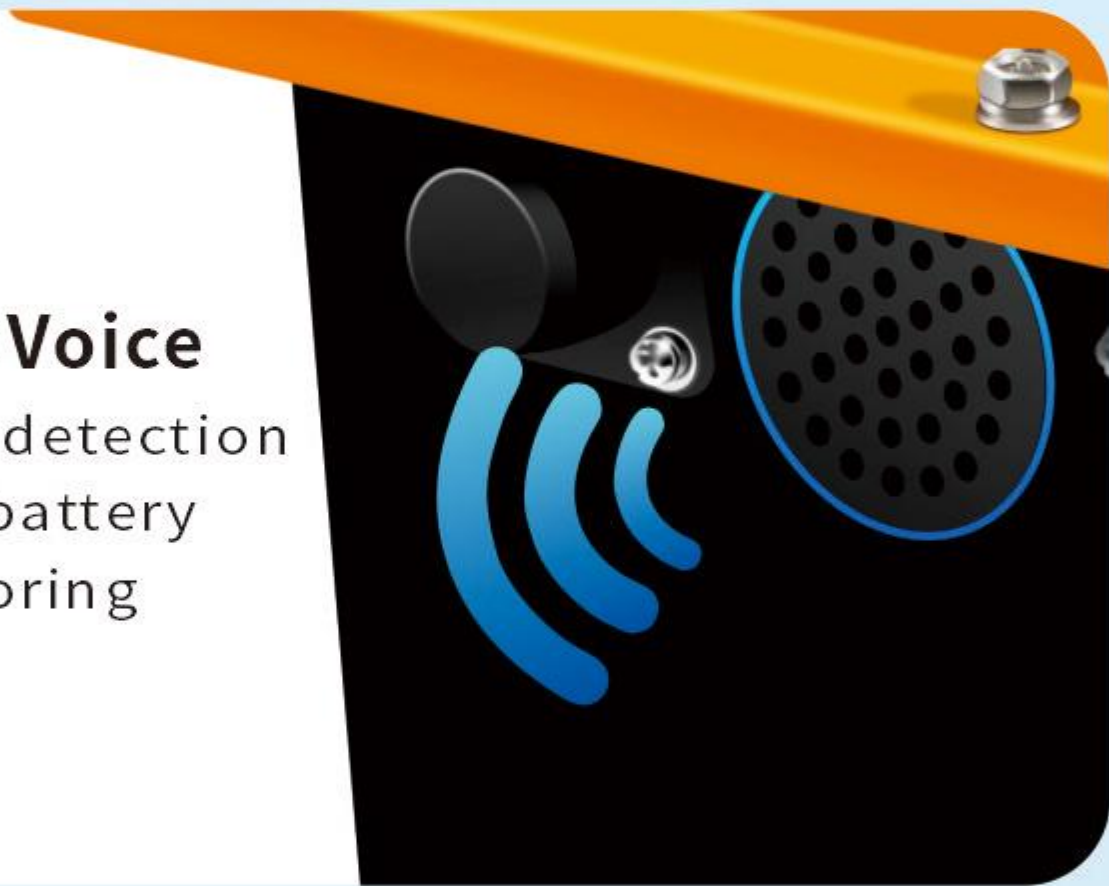
One-touch self-test

Auto Fault
Alerts & Self-Repair



Intelligent Voice

Remote fault detection
24/7 lithium battery
status monitoring



Extended Lifespan

>3500 cycle times, ensuring
long-term durability



Ultra-Low Power Storage

Microamp self-discharge,
auto sleep when idle.



Robust Protection

Eave-style cover, IP65
dustproof/waterproof
shock-resistant



Five-Tier Fire Protection

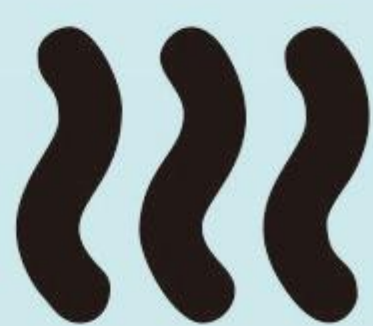
Prevents thermal runaway
and fire incidents



Optional Function



Bluetooth



Heating



Communication



Display

Product Specifications



P24050-1280Wh



Specification:

Rated capacity	50AH	Cut-off voltage	20V (±1V)
Nominal voltage	25.6V	Internal resistance	≤20mΩ
Charge voltage	29.2V (±0.2V)	Weight (about)	12KG
Rated charge current	10A	Size (L*W*H)	205*170*245mm
Maximum charge current	25A	Operating temperature	Charge: 0~55℃ Discharge: -20~55℃
Rated discharge current	25A	Storage temperature	0~50℃
Maximum discharge current	50A	Certificate	CE/MSDS/UN38.3



P24060-1536Wh



Specification:

Rated capacity	60AH	Cut-off voltage	20V (±1V)
Nominal voltage	25.6V	Internal resistance	≤20mΩ
Charge voltage	29.2V (±0.2V)	Weight (about)	15KG
Rated charge current	15A	Size (L*W*H)	293*202*230mm
Maximum charge current	30A	Operating temperature	Charge: 0~55℃ Discharge: -20~55℃
Rated discharge current	30A	Storage temperature	0~50℃
Maximum discharge current	50A	Certificate	CE/MSDS/UN38.3



P24080-2048Wh



Specification

Rated capacity	80AH	Cut-off voltage	20V (±1V)
Nominal voltage	25.6V	Internal resistance	≤20mΩ
Charge voltage	29.2V (±0.2V)	Weight (about)	19KG
Rated charge current	15A	Size (L*W*H)	293*202*230mm
Maximum charge current	30A	Operating temperature	Charge: 0~55℃ Discharge: -20~55℃
Rated discharge current	40A	Storage temperature	0~50℃
Maximum discharge current	50A	Certificate	CE/MSDS/UN38.3



P24105-2688Wh



Specification

Rated capacity	105AH	Cut-off voltage	20V (±1V)
Nominal voltage	25.6V	Internal resistance	≤20mΩ
Charge voltage	29.2V (±0.2V)	Weight (about)	24KG
Rated charge current	15A	Size (L*W*H)	350*296*220mm
Maximum charge current	50A	Operating temperature	Charge: 0~55℃ Discharge: -20~55℃
Rated discharge current	50A	Storage temperature	0~50℃
Maximum discharge current	100A	Certificate	CE/MSDS/UN38.3



P24150-3840Wh



Specification

Rated capacity	150AH	Cut-off voltage	20V (±1V)
Nominal voltage	25.6V	Internal resistance	≤20mΩ
Charge voltage	29.2V (±0.2V)	Weight (about)	32KG
Rated charge current	30A	Size (L*W*H)	350*338*253mm
Maximum charge current	100A	Operating temperature	Charge: 0~55℃ Discharge: -20~55℃
Rated discharge current	75A	Storage temperature	0~50℃
Maximum discharge current	100A	Certificate	CE/MSDS/UN38.3



P24210-5376Wh



Specification

Rated capacity	210AH	Cut-off voltage	20V (±1V)
Nominal voltage	25.6V	Internal resistance	≤20mΩ
Charge voltage	29.2V (±0.2V)	Weight (about)	42KG
Rated charge current	30A	Size(L*W*H)	420*350*240mm
Maximum charge current	100A	Operating temperature	Charge: 0~55℃ Discharge: -20~55℃
Rated discharge current	100A	Storage temperature	0~50℃
Maximum discharge current	150A	Certificate	CE/MSDS/UN38.3



P24315-8064Wh



Specification

Rated capacity	315AH	Cut-off voltage	20V (±0.5V)
Nominal voltage	25.6V	Internal resistance	≤20mΩ
Charge voltage	29.2V (±0.2V)	Weight (about)	60KG
Rated charge current	50A	Size (L*W*H)	520*360*245mm
Maximum charge current	100A	Operating temperature	Charge: 0~55℃ Discharge: -20~55℃
Rated discharge current	100A	Storage temperature	0~50℃
Maximum discharge current	150A	Certificate	CE/MSDS/UN38.3



P36150-5760Wh



Specification

Rated capacity	150AH	Cut-off voltage	30V (±0.5V)
Nominal voltage	38.4V	Internal resistance	≤20mΩ
Charge voltage	43.8V (±0.2V)	Weight (about)	45KG
Rated charge current	35A	Size (L*W*H)	450*320*235mm
Maximum charge current	100A	Operating temperature	Charge: 0~55℃ Discharge: -20~55℃
Rated discharge current	100A	Storage temperature	0~50℃
Maximum discharge current	200A	Certificate	CE/MSDS/UN38.3



P36210-8064Wh



Specification:

Rated capacity	210AH	Cut-off voltage	30V (±0.5V)
Nominal voltage	38.4V	Internal resistance	≤20mΩ
Charge voltage	43.8V (±0.2V)	Weight (about)	58KG
Rated charge current	35A	Size (L*W*H)	510*375*245mm
Maximum charge current	100A	Operating temperature	Charge: 0~55℃ Discharge: -20~55℃
Rated discharge current	100A	Storage temperature	0~50℃
Maximum discharge current	200A		



P36315-12096Wh



Specification:

Rated capacity	315AH	Cut-off voltage	30V (±1V)
Nominal voltage	38.4V	Internal resistance	≤20mΩ
Charge voltage	43.8V (±0.2V)	Weight (about)	87KG
Rated charge current	40A	Size (L*W*H)	510*510*245mm
Maximum charge current	100A	Operating temperature	Charge: 0~55℃ Discharge: -20~55℃
Rated discharge current	100A	Storage temperature	0~50℃
Maximum discharge current	250A		



P48105-5376Wh



Specification:

Rated capacity	105AH	Cut-off voltage	40V (±1V)
Nominal voltage	51.2V	Internal resistance	≤20mΩ
Charge voltage	58.4V (±0.2V)	Weight (about)	44KG
Rated charge current	15A	Size (L*W*H)	580*340*200mm
Maximum charge current	50A	Operating temperature	Charge: 0~55℃ Discharge: -20~55℃
Rated discharge current	50A	Storage temperature	0~50℃
Maximum discharge current	100A		



P48120-6144Wh



Specification:

Rated capacity	120AH	Cut-off voltage	40V (±1V)
Nominal voltage	51.2V	Internal resistance	≤20mΩ
Charge voltage	58.4V (±0.2V)	Weight (about)	61KG
Rated charge current	25A	Size(L*W*H)	480*400*270mm
Maximum charge current	50A	Operating temperature	Charge: 0~55℃ Discharge: -20~55℃
Rated discharge current	60A	Storage temperature	0~50℃
Maximum discharge current	100A	Certificate	CE/MSDS/UN38.3



P48160-8192Wh



Specification:

Rated capacity	160AH	Cut-off voltage	40V (±1V)
Nominal voltage	51.2V	Internal resistance	≤20mΩ
Charge voltage	58.4V (±0.2V)	Weight (about)	64KG
Rated charge current	25A	Size (L*W*H)	480*400*270mm
Maximum charge current	50A	Operating temperature	Charge: 0~55℃ Discharge: -20~55℃
Rated discharge current	80A	Storage temperature	0~50℃
Maximum discharge current	100A		



P48210-10752Wh



Specification:

Rated capacity	210AH	Cut-off voltage	40V (±1V)
Nominal voltage	51.2V	Internal resistance	≤20mΩ
Charge voltage	58.4V (±0.2V)	Weight (about)	95KG
Rated charge current	50A	Size (L*W*H)	700*320*245mm
Maximum charge current	100A	Operating temperature	Charge: 0~55℃ Discharge: -20~55℃
Rated discharge current	100A	Storage temperature	0~50℃
Maximum discharge current	150A		



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