



Pursue A Green Life

Shenzhen Polinovel Tech Co., Ltd

Reliable Manufacturer . China
2024 Version



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About Polinovel

Who We Are

Polinovel is an innovative company integrating the design, development, manufacturing, and sales of lithium batteries in China, committed to providing professional, safe, and reliable clean energy solutions and services worldwide.

2006

Established

10000_{m2}

Floorspace

50+

R&D Engineers

80%

Export Coverage

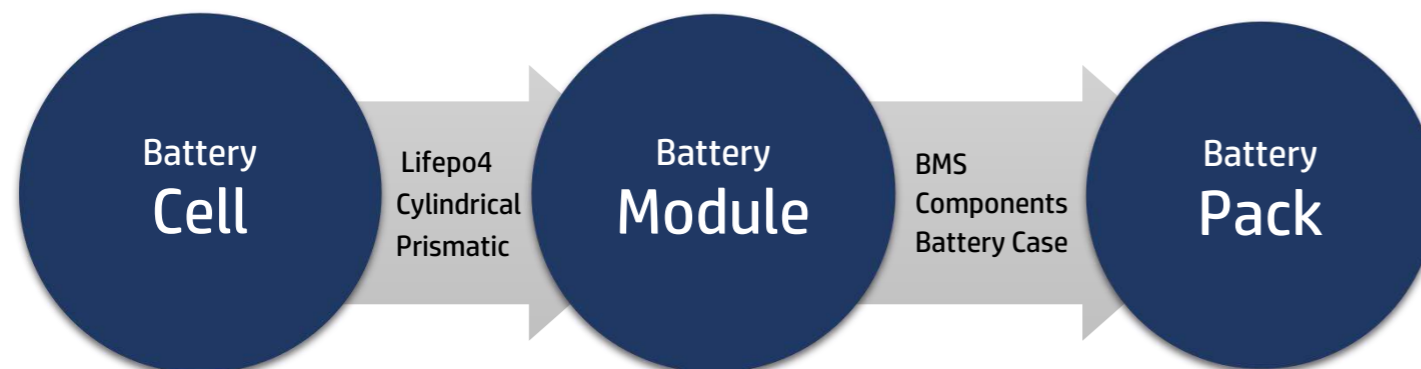


◆ Electric Vehicles

Provide lithium battery products and services for electric vehicles from land to sea.

◆ Energy Storage Systems

Provide lithium battery solutions and services for clean energy storage systems.



Material

Innovation in material and chemistry

Technology

Intelligent technology innovation



Design

Structure design innovation

Manufacturing

Exquisite manufacturing innovation

R&D Capability



100%
Proprietary
Technology

50+
R&D Engineers

Continuous research in materials, structure design, production process, and product innovation to provide customers with market-oriented reliable lithium batteries and solutions comprehensively enhance the core competitiveness.



Material



Structure Design



Production Process

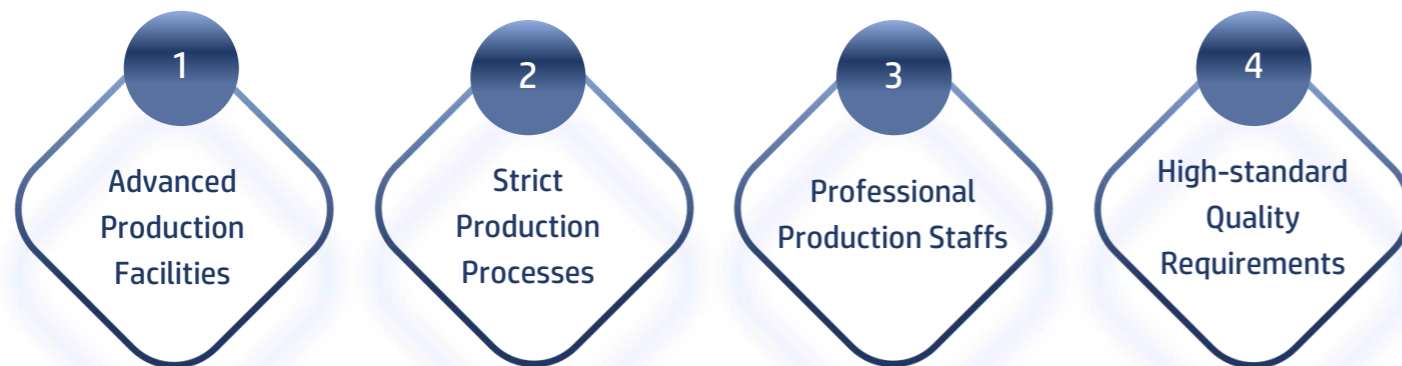


Product Innovation

Quality Assurance

◆ Exquisite Manufacturing

Compliance rate of battery pack reaches 100%.



◆ Comprehensive Testing

Multi-Level Testing

Materials, Cells, Modules, BMS, Packs

Multi Dimensional Testing

Structure, Craft, Electrical Performance, Safety

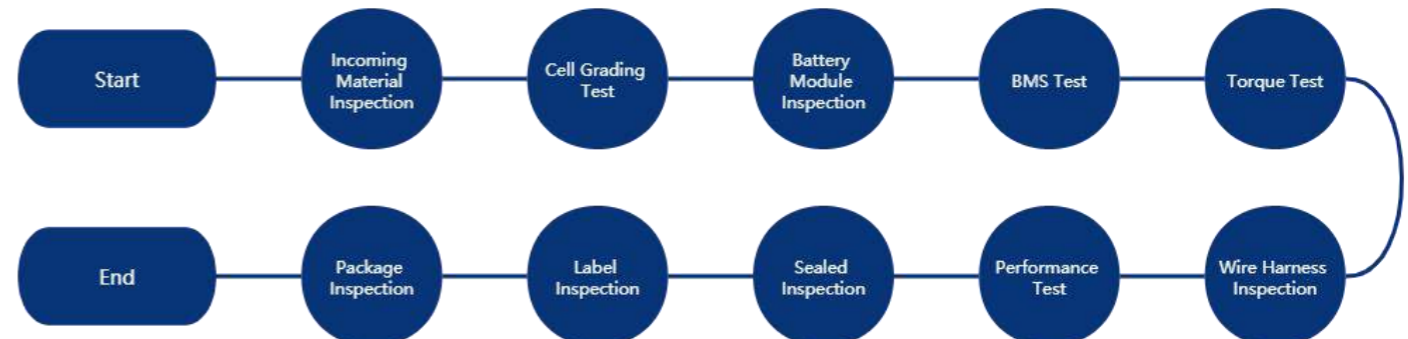
International Standards

Comply with international industry ISO, GB/T, CE, MSDS, UN38.3 standards



◆ Quality Control System

From incoming materials and production to delivery, the whole process contains 10 rounds of inspection and testing to ensure battery quality.



◆ International Certifications



ISO9001



ISO14001



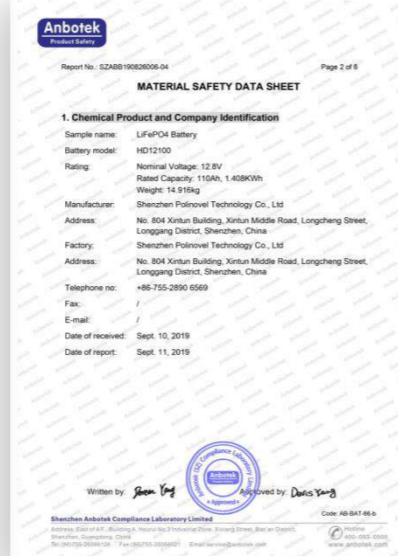
ISO45001



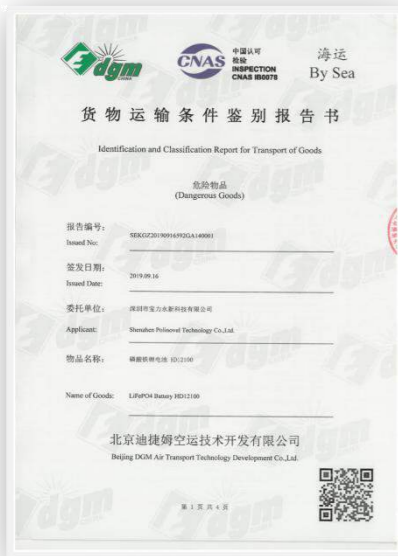
CE



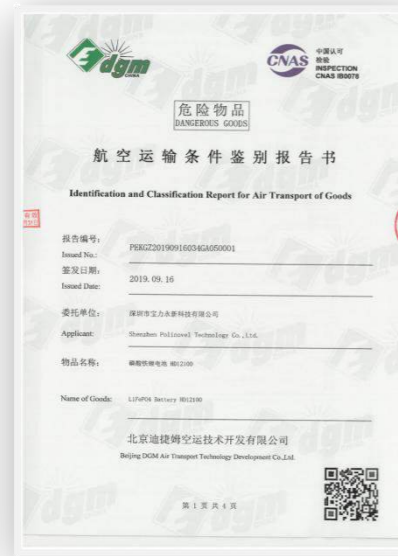
Emark



MSDS



UN38.3-Sea



UN38.3-Air



Insurance

Competitiveness

◆ Safety And Reliability

From incoming materials and production to delivery, the whole process contains 10 rounds of inspection and testing to ensure battery quality.



Material Safety



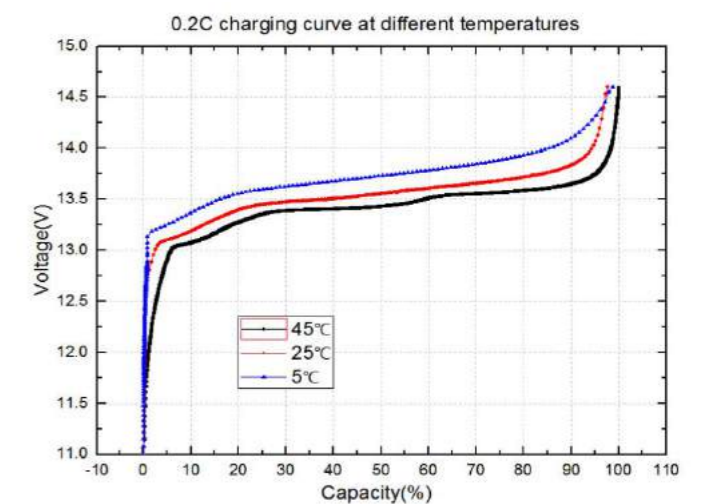
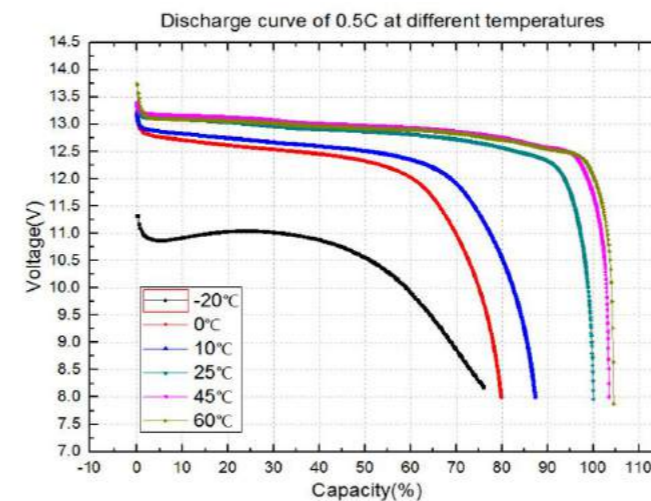
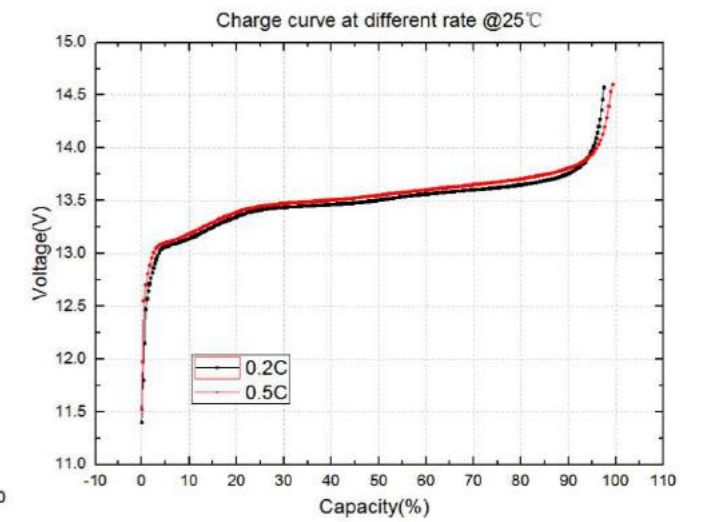
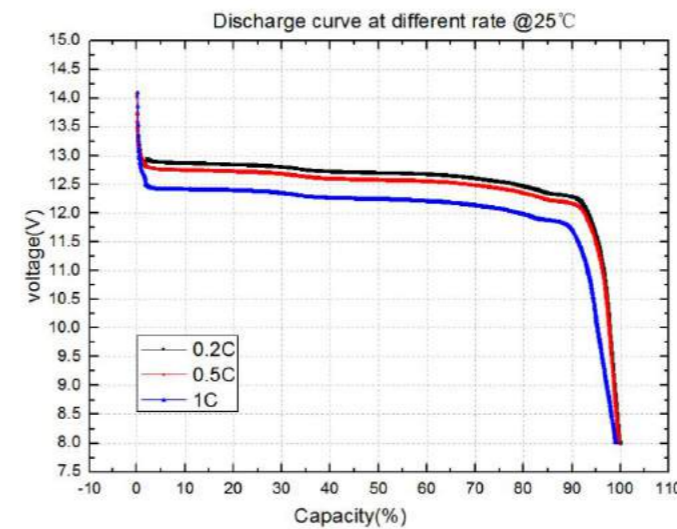
System Safety



Electrical Safety

◆ Long Service Life

Provide lithium batteries that deliver high performance, maximum usable energy, and long service life of 10+ years.



◆ Innovative Technology

Polinovel successfully developed Bluetooth monitoring, self-heated function, RS232, RS485, CANbus, WiFi, and GPRS communication technology on lithium batteries and stay at the forefront of market trends.



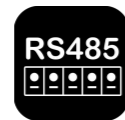
LCD Display



Bluetooth



Self-heated



RS485



CANbus



WiFi



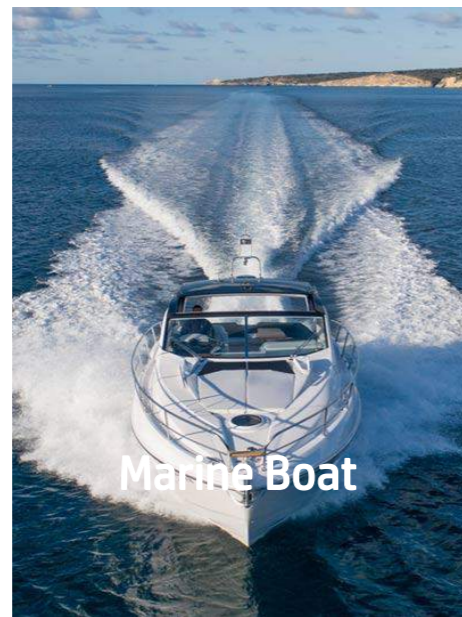
GPRS

◆ Flexible Application

Polinovel lithium battery solutions are suitable for various scenarios such as camping, fishing, sailing, short-distance riding, material handling, floor cleaning, and residential power supply.



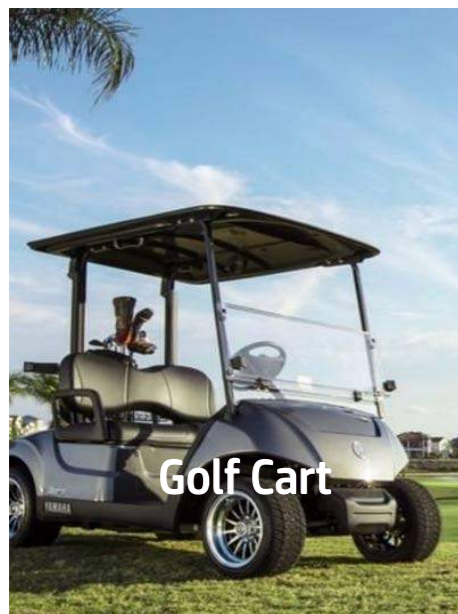
RV Trailer



Marine Boat



Forklift



Golf Cart



Floor Scrubber



Energy Storage

Five Star Service From Start To Finish

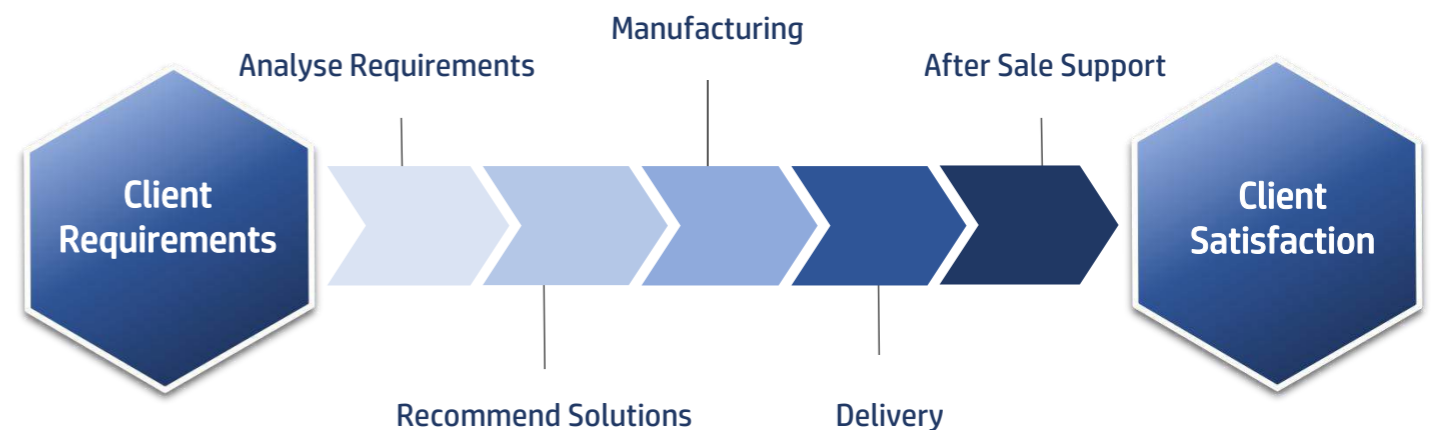


◆ Professional

◆ Efficient

◆ Comprehensive

Polinovel maintain a customer-centric service attitude whenever and wherever we can. We firmly believe that providing customers with good products and services to help customers succeed is the surest way to achieve win-win cooperation in the long term.



Pre-sale Service

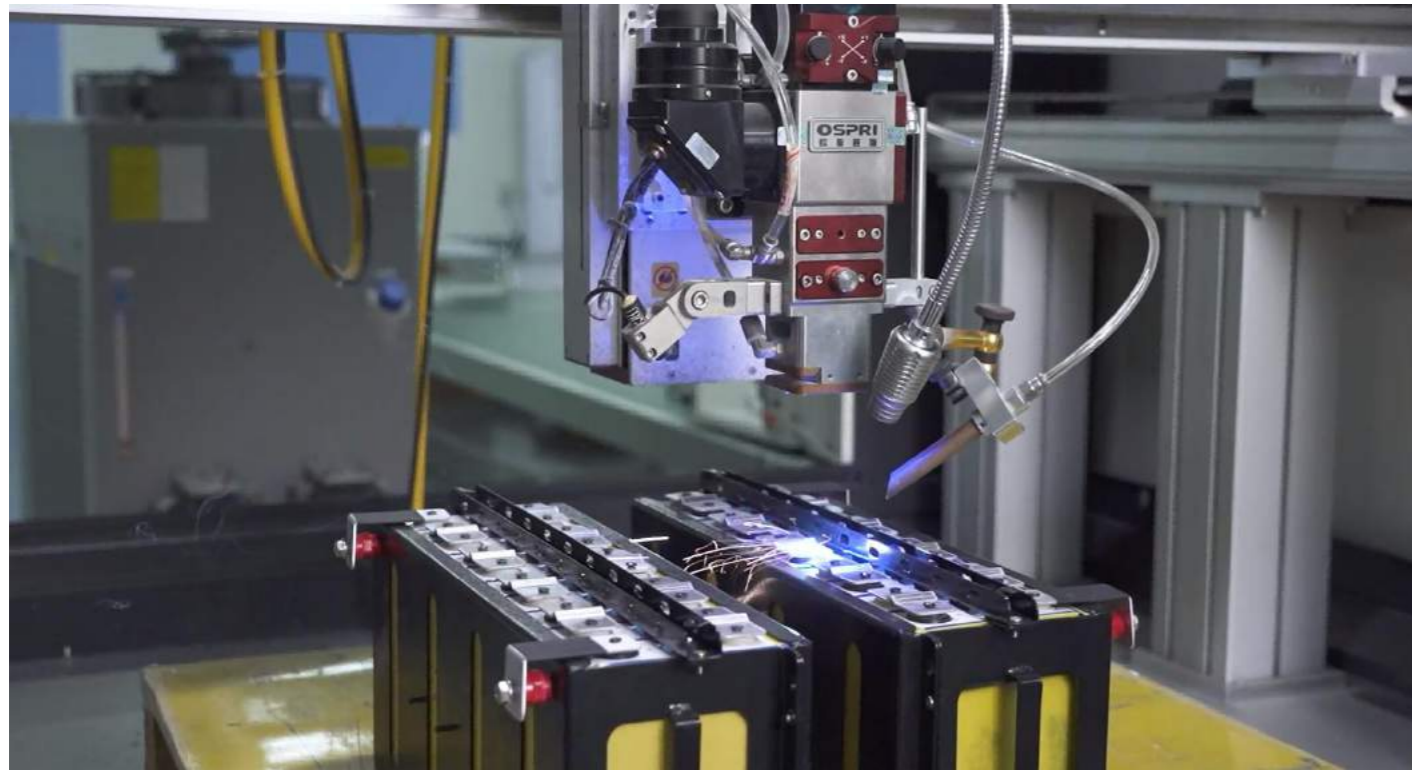
Project manager and engineers work with the customers to create the most feasible lithium battery solutions.

Sales Service

Technical engineers follow up on the production, debugging, assembly, and testing processes to ensure the quality of inspection.

After-sale Service

Experienced service team provides 7x24 online technical support and guidance to give quick response on battery use, maintenance and repair questions.



Exquisite Customization

With extensive experience in lithium batteries, Polinovel understands customers and market requirements well, and provides satisfactory solutions.

What Can Be Customized?

- ① Voltage
- ② Capacity
- ③ Discharge Current
- ④ Dimension
- ⑤ Communication

⑥ Custom Label

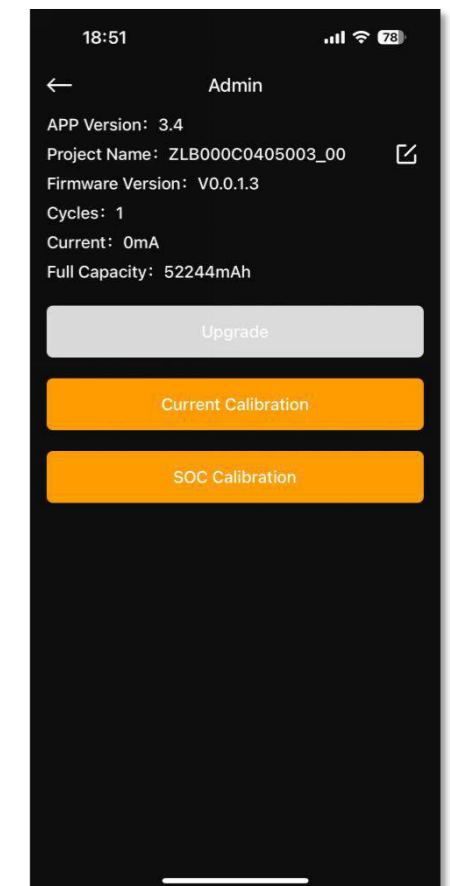
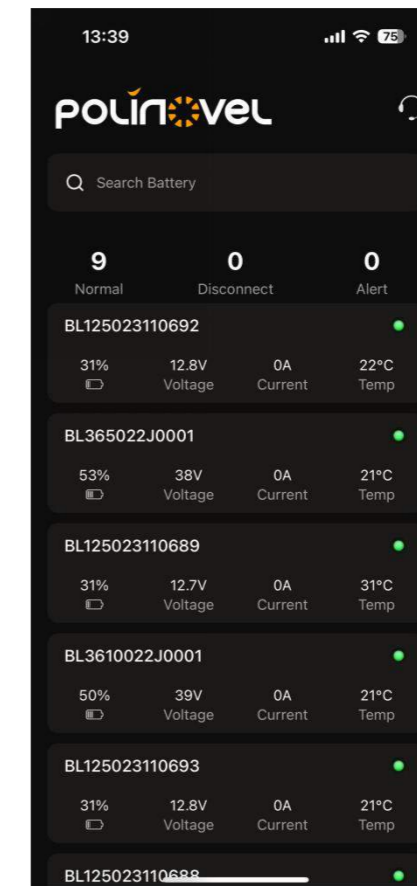


Trusted Lithium Batteries You Can Count On

Lithium batteries have replaced lead-acid batteries becoming the mainstream battery in the industry. Polinovel develops and manufactures lithium electric vehicle batteries and lithium energy storage batteries for various applications, like RV, marine, golf cart, forklift, floor scrubber, AGV, and household energy storage systems, helping to optimize the energy structure and reduce the cost of energy use.



APP "iPolinovel"





BL Series | Bluetooth Lithium Battery

Polinovel BL Series Smart Lithium Iron Phosphate (LiFePO4) batteries are designed as direct replacements for standard BCI group-size deep-cycle lead-acid batteries. They offer excellent cycle life, lighter weight, more usable energy, and superior performance. The Bluetooth function allows for monitoring battery status, controlling switching power supply, and wireless troubleshooting via a mobile phone.

Key Features

Monitor the real-time working status of multiple batteries simultaneously on your phone and easily maintain inventory batteries.

Remotely turn on or off battery discharge to enhance safety during charging and reduce self-consumption during storage.

Wireless upgrade program, calibration current, and SOC for more efficient and less expensively troubleshooting.

Friendly compatibility for parallel connection use with lead-acid and other conventional batteries.

Model	Nominal Voltage	Nominal Capacity	Nominal Energy	Recom mend Charge Voltage	Max. Charge Current	Max. Constant Discharge Current	Peak Discharge Current	Dimension (L*W*H) mm/in	Weight kg/lbs	Qty/ 20GP pcs	Qty/ 40GP pcs
BL1250	12.8V	50Ah	640Wh	14.6V	50A	50A	100A@5s	230*145*210 9*5.7*8.3"	8kg/18lbs	840	1680
BL12105	12.8V	105Ah	1344Wh	14.6V	100A	100A	200A@5s	329*172*214 13*6.8*8.4"	11.5kg/25lbs	700	1400
BL12105LA	12.8V	105Ah	1344Wh	14.6V	100A	100A	200A@5s	329*172*214 13*6.8*8.4"	11.5kg/25lbs	700	1400
BL12160	12.8V	160Ah	2048Wh	14.6V	100A	200A	400A@5s	483*170*240 19*6.7*9.4"	20kg/44lbs	250	500
BL12210	12.8V	210Ah	2688Wh	14.6V	100A	200A	400A@5s	522*240*218 20.5*9.4*8.6"	25kg/55lbs	250	500
BL12304	12.8V	304Ah	3891Wh	14.6V	100A	200A	400A@5s	522*269*218 20.5*10.6*8.6"	34kg/75lbs	250	500
BL12460	12.8V	460Ah	5888Wh	14.6V	100A	200A	400A@5s	522*269*218 20.5*10.6*8.6"	45kg/99lbs	250	500
BL12525	12.8V	525Ah	6720Wh	14.6V	100A	200A	400A@5s	640*245*220 25.2*9.6*8.6"	60kg/132lbs	200	400
BL2450	25.6V	50Ah	1280Wh	29.2V	50A	50A	100A@5s	329*172*214 13*6.8*8.4"	13kg/29lbs	700	1400
BL24105	25.6V	105Ah	2688Wh	29.2V	100A	100A	200A@5s	522*240*218 20.5*9.4*8.6"	25kg/55lbs	250	500
BL24160	25.6V	160Ah	4096Wh	29.2V	100A	200A	400A@5s	522*269*218 20.5*10.6*8.6"	34kg/75lbs	250	500
BL24230	25.6V	230Ah	5888Wh	29.2V	100A	200A	400A@5s	522*269*218 20.5*10.6*8.6"	45kg/99lbs	250	500
BL3640	38.4V	40Ah	1536Wh	43.8V	50A	50A	100A@5s	329*172*214 13*6.8*8.4"	15kg/33lbs	700	1400
BL3650	38.4V	50Ah	1920Wh	43.8V	50A	50A	100A@5s	483*170*240 19*6.7*9.4"	20kg/44lbs	250	500
BL3660	38.4V	60Ah	2304Wh	43.8V	50A	50A	100A@5s	483*170*240 19*6.7*9.4"	22kg/49lbs	250	500
BL36105	38.4V	105Ah	4032Wh	43.8V	100A	100A	200A@5s	522*269*218 20.5*10.6*8.6"	29kg/64lbs	250	500
BL36160	38.4V	160Ah	6144Wh	43.8V	100A	100A	200A@5s	640*245*220 25.2*9.6*8.6"	45kg/99lbs	200	400
BL48105	51.2V	105Ah	5376Wh	58.4V	100A	200A	420A@30s	522*269*218 20.5*10.6*8.6"	50kg/110lbs	250	500

General Data

Casing Material	ABS
IP Rating	IP65
Battery Type	Lithium Iron Phosphate (LiFePO4)
Cycle Life	>2500 (1C@ DOD100%); >4000 (0.2C@ DOD100%)
Charge Temperature	0 to 60 ° C
Discharge Temperature	-20 to 60 ° C
Storage Temperature	10 to 45 ° C

Specifications subject to change without notice, please contact us to get the latest information.



DUAL Series | Dual Purpose Lithium Battery

Polinovel DUAL series consists of high-performance dual-purpose lithium batteries designed for starting and deep cycling. These batteries deliver a surge of high current to start the engine and provide consistent power to operate equipment with high power requirements. The smart BMS with Bluetooth functionality enables users to monitor, control, and troubleshoot the batteries on the phone, they are ideal for marine boats, trolling motors, cars, trucks, and more outdoor scenarios.

Key Features

Monitor the real-time working status of multiple batteries simultaneously on your phone and easily maintain inventory batteries.

Remotely turn on or off battery discharge to enhance safety during charging and reduce self-consumption during storage.

Wireless upgrade program, calibration current, and SOC for more efficient and less expensively troubleshooting.

Friendly compatibility for parallel connection use with lead-acid and other conventional batteries.

Battery Specification

Premium LiFePO4 battery with large power, light weight and long cycle life.

High cold cranking amps for starting, consistent power for deep cycling.

Emergency switch to jump-start the engine if battery runs out of power.

Reset switch to restore Bluetooth and avoid signal loss.



Model	Nominal Voltage	Nominal Capacity	Nominal Energy	Starting Current	Max Charge Current	Max. Constant Discharge Current	Peak Discharge Current	Dimension (L*W*H) mm/in	Weight kg/lbs	Qty/20GP pcs	Qty/40GP pcs
DUAL1260	12.8V	60Ah	768Wh	800CAA	60A	100A	150A @30s	230*175*183 (9.1*6.9*7.2")	6.5kg/14.3lbs	840	1680
DUAL1280	12.8V	80Ah	1024Wh	800CCA	60A	100A	200A @30s	279*175*188 (11*6.9*7.4")	10kg/22lbs	840	1680
DUAL12105	12.8V	105Ah	1344Wh	1200CCA	100A	200A	300A @30s	307*174*220 (12.1*6.9*8.7")	11kg/24.2lbs	700	1400
DUAL12105LA	12.8V	105Ah	1344Wh	1200CCA	100A	200A	300A @30s	307*174*220 (12.1*6.9*8.7")	11kg/24.2lbs	700	1400
DUAL12160	12.8V	160Ah	2048Wh	1200CCA	100A	200A	350A @30s	328*172*235 (12.9*6.8*9.3")	16.5kg/36.4lbs	480	960
DUAL12160LA	12.8V	160Ah	2048Wh	1200CCA	100A	200A	350A @30s	328*172*235 (12.9*6.8*9.3")	16.5kg/36.4lbs	480	960
DUAL1660	16.0V	60Ah	960Wh	1200CCA	60A	60A	150A @30s	230*175*183 (9.1*6.9*7.2")	7.5kg/16.5lbs	840	1680
DUAL24105	25.6V	105Ah	2688Wh	1200CCA	100A	200A	300A @30s	522*240*218 (20.6*9.4*8.6")	25kg/55lbs	250	500
DUAL24230	25.6V	230Ah	5888Wh	1200CCA	100A	200A	350A @30s	640*245*220 (25.2*9.6*8.7")	42kg/92.6lbs	200	400

General Data

Casing Material	ABS
IP Rating	IP65
Battery Type	Lithium Iron Phosphate (LiFePO4)
Cycle Life	>2500 (1C@ DOD100%); >4000 (0.2C@ DOD100%)
Charge Temperature	0 to 60 ° C
Discharge Temperature	-20 to 60 ° C
Storage Temperature	10 to 45 ° C

Specifications subject to change without notice, please contact us to get the latest information.



FL Series | Forklift Lithium Battery

Polinovel FL Series lithium batteries are ideal power meets the performance of forklifts and other industry vehicles. Compared to lead-acid batteries, the improved efficiency and longer run time of lithium-ion forklift batteries can save substantial time and cost through increased productivity, smarter use of resources and a lower cost of ownership.

Key Features

Utilizes high-rate lithium iron phosphate battery developed for special working conditions of industrial vehicles.

Integrated with an intelligent BMS to scientifically manage the battery, realize automatic balance, and extend the service life.

Key components have undergone rigorous reliability testing and market validation to ensure the safe and stable performance of the entire machine.

CAN bus data transmission, enables seamless docking with the vehicle control and charging systems.

Battery Specification

Model	FL25210	FL25440	FL51315
Nominal Voltage	25.6V	25.6V	51.2V
Nominal Capacity	210Ah	440Ah	315Ah
Energy	5376Wh	11264Wh	16128Wh
Charge Voltage	29.2V	29.2V	58.4V
Discharge Cut-off Voltage	22V	22V	44V
Charge Current	≤100A	≤150A	≤150A
Constant Discharge Current	100A	200A	150A
Peak Discharge Current	200A @20s	400A @10s	300A @20s
Dimension (mm)	624*212*627	830*320*625	827*625*627
Dimension (in)	24.6*8.3*24.7"	32.7*12.6*24.6"	32.6*24.6*24.7"
Battery Weight	210kg / 463lbs	445kg / 981lbs	852kg / 1878lbs
Cycle Life @DOD100%	>2000 (1C@ DOD100%); >4000 (0.2C@ DOD100%)		
Charge Temperature	0~45°C		
Discharge Temperature	-20~55°C		
Storage Temperature	20~45°C		

Model	FL51525	FL80420	FL83630
Nominal Voltage	51.2V	80V	83.2V
Nominal Capacity	525Ah	420Ah	630Ah
Energy	26880Wh	33600Wh	52416Wh
Charge Voltage	58.4	91.2V	94.9V
Discharge Cut-off Voltage	44V	68.6V	71.5V
Charge Current	≤200A	≤200A	≤200A
Constant Discharge Current	200A	200A	200A
Peak Discharge Current	400A @20s	400A @20s	400A @20s
Dimension (mm)	1100*410*655mm	1015*682*550	1028*999*784
Dimension (in)	43.3*16.1*25.8"	40*26.9*21.7"	40.5*39.3*30.9"
Battery Weight	535kg / 1180lbs	335kg / 739lbs	2100kg / 4630lbs
Cycle Life	>2000 (1C@ DOD100%); >4000 (0.2C@ DOD100%)		
Charge Temperature	0~45°C		
Discharge Temperature	-20~55°C		
Storage Temperature	20~45°C		

Specifications subject to change without notice, please contact us to get the latest information.



GOLF Series | Lithium Battery

Polinovel GOLF series are lithium battery packs with an integrated BMS, designed to replace lead-acid batteries for golf carts and utility vehicles. They provide less weight, more power, and zero maintenance, which allows you to enjoy more mileage on a single charge and stronger acceleration up hills with improved safety.

Key Features

Robust construction with increased power, offering longer mileage and stronger uphill performance.

Custom size solution for a seamless drop-in replacement and easy installation.

plug-and-play gauge allows for real-time monitoring of the remaining SOC.

Battery Specification

Model	Golf38105	Golf38220	Golf51105mini
Nominal Voltage	38.4V	38.4V	51.2V
Nominal Capacity	105Ah	220Ah	105Ah
Energy	4032Wh	8448Wh	5376Wh
Standard Charge Voltage	43.8V	43.8V	58.4V
Discharge Cut-off Voltage	33V	33V	44V
Standard Charge Current	30A	50A	30A
Max. Constant Discharge Current	105A	200A	105A
Peak Discharge Current	160A@2Min, 420A @2S	400A @30s	160A@2Min, 420A @2S
Dimension	436*334*243mm 17.2*13.1*9.6 in	670*278*280mm 26.4*11*11 in	464*334*243mm 18.3*13.1*9.6 in
Weight	40kg/88lbs	75kg/165lbs	45kg/99lbs
Qty/20GP/40GP	300pcs/520pcs	170pcs/240pcs	300pcs/520pcs
Case Material	Metal	Metal	Metal
Cycle Life	>2500 (1C@ DOD100%); >4000 (0.2C@ DOD100%)		
Temperature	Charge: 0~60°C, Discharge: -20~ 60°C, Storage: 10~ 45°C		

Model	Golf51105	Golf51210	Golf76105
Nominal Voltage	51.2V	51.2V	76.8V
Nominal Capacity	105Ah	210Ah	105Ah
Energy	5376Wh	10752Wh	8064Wh
Standard Charge Voltage	58.4V	58.4V	87.6V
Discharge Cut-off Voltage	44V	44V	66V
Standard Charge Current	30A	50A	30A
Max. Constant Discharge Current	105A	200A	105A
Peak Discharge Current	160A@2Min, 420A @2S	420A @30s	160A@2Min, 420A @2S
Dimension	520*334*243mm 20.5*13.1*9.6 in	860*330*243mm 33.9*13*9.6in	674*334*243mm 26.5*13.1*9.6 in
Weight	50kg/110lbs	95kg/209lbs	81kg/179lbs
Qty/20GP/40GP	225pcs/410pcs	150pcs/270pcs	170pcs/240pcs
Case Material	Metal	Metal	Metal
Cycle Life	>2500 (1C@ DOD100%); >4000 (0.2C@ DOD100%)		
Temperature	Charge: 0~60°C, Discharge: -20~ 60°C, Storage: 10~ 45°C		

Specifications subject to change without notice, please contact us to get the latest information.



WALL Series | Energy Storage Battery

Polinovel WALL Series is a high-performance lithium battery that utilizes the safe lithium iron phosphate (LiFePO4) technology, works together with the inverter, and stores energy from solar production to provide power for the home, which reduces your electricity reliance on the grid, and the independent backup energy can protect your home from the outage. Its compact design and scalable feature allow for simple installation to suit various home energy needs.

Key Features

Compact design for easy installation on wall or ground.

Scalable battery allows 15 units in parallel connection.

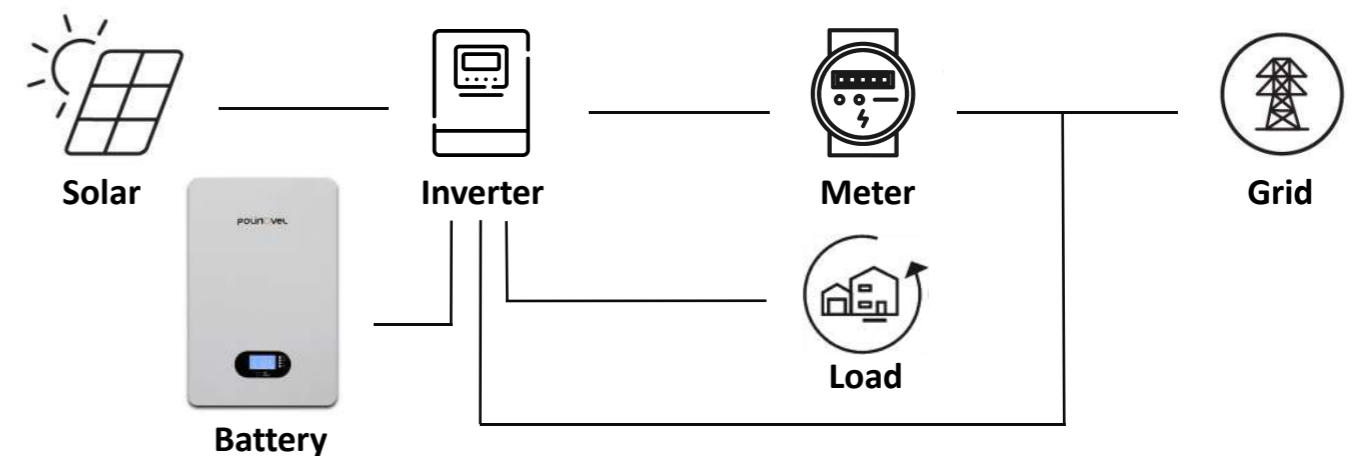
Friendly communication compatible with 20+ inverter brands.

Battery Specification

Model	WALL5	WALL8	WALL10
Nominal Voltage	51.2V		
Nominal Capacity	100Ah	150Ah	200Ah
Energy	5.12kWh	7.68kWh	10.24kWh
Charge Cut-off Voltage	58V		
Discharge Cut-off Voltage	40V		
Standard Charge Current	30A/100A	45A/100A	60A/100A
Max. Charge Current	50A/100A	75A/150A	100A/200A
Max. Constant Discharge Current	150A	200A	200A
Peak Current	200A	300A	300A
Max. Modules in Parallel	15pcs in parallel		
Communication	RS485/RS232/CAN		
Dimension	535*455*145mm 21.1*17.9*5.7in	670*540*170mm 26.4*21.3*6.7in	870*465*145mm 34.3*18.3*5.7in
Weight	49kg/108lbs	72kg/158.7lbs	94kg/207.2lbs
Qty/20GP/40GP	250pcs/420pcs	180pcs/260pcs	140pcs/200pcs
Temperature	Charge: 0~50°C; Discharge: -15~ 60°C		

Specifications subject to change without notice, please contact us to get the latest information.

System Diagram





RACK Series | Energy Storage Battery

Polinovel RACK series lithium battery inherits the classic modular design for easy rack installation. It utilizes proven lithium iron phosphate cells with built-in smart BMS, ensuring great safety and high efficiency to store solar energy, bringing seamless backup power to keep your household appliances running during a power outage.

Key Features

Friendly communication compatible with 20+ inverter brands.

Support 15pcs in parallel connection for flexible energy expansion.

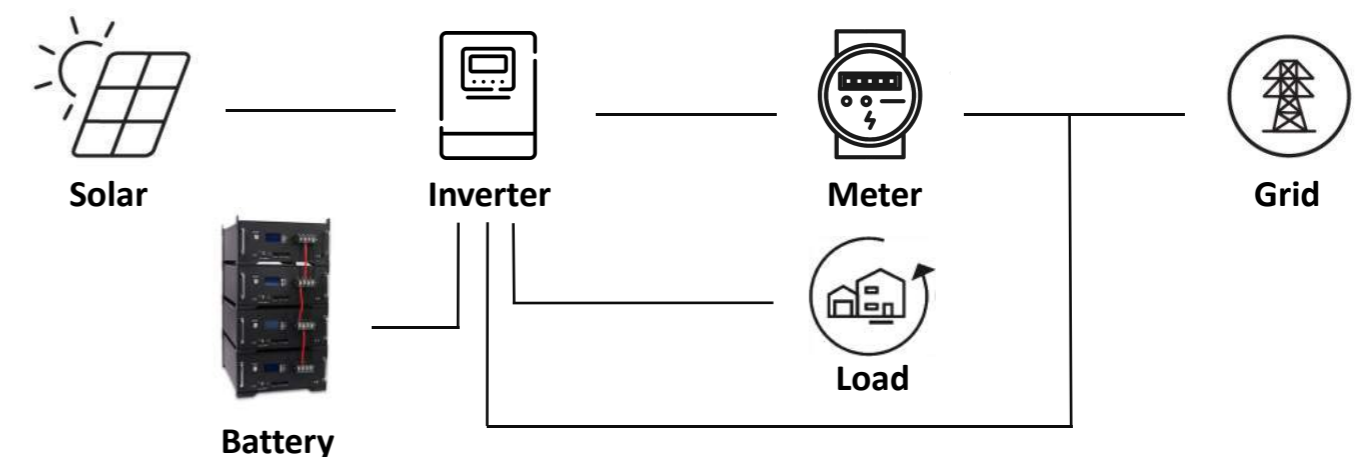
3U, 4U, 5U sizes available with max 200A high current.

Battery Specification

Model	RACK4850	RACK48100	RACK48150	RACK48200
Nominal Voltage	51.2V			
Nominal Capacity	50Ah	100Ah	150Ah	200Ah
Energy	2.56kWh	5.12kWh	7.68kWh	10.24kWh
Charge Cut-off Voltage	58.4V			
Discharge Cut-off Voltage	40V			
Max. Charge Current	50A	100A		
Max. Constant Discharge Current	50A	100A	150A	200A
Peak Current	100A	200A	200A	300A
Max. Modules in Parallel	15pcs in parallel			
Communication	RS485/RS232/CAN			
Dimension	442*450*133mm 17.4*17.7*5.2in	442*510*155mm 17.4*20*6.1in	442*400*311mm 17.4*15.7*12.2in	442*680*223mm 17.4*26.8*8.8in
Weight	29kg/64lbs	49.5kg/109lbs	76kg/168lbs	100kg/220lbs
Qty/20GP/40GP	360pcs/720pcs	250pcs/420pcs	175pcs/250pcs	130pcs/190pcs
Temperature	Charge: 0~50°C; Discharge: -15~ 60°C			

Specifications subject to change without notice, please contact us to get the latest information.

System Diagram





CABINET Series | Energy Storage Battery

Polinovel Cabinet Series lithium battery is available in capacities of 10kWh, 15kWh, 20kWh, and 25kWh, allowing you to store sufficient solar energy to power your home, significantly reduce dependence on the grid during peak demand time, and keep your home appliance normal running when the grid goes down.

Key Features

Friendly communication compatible with 20+ inverter brands.

Scalable battery allows 15 units in parallel connection for energy expansion.

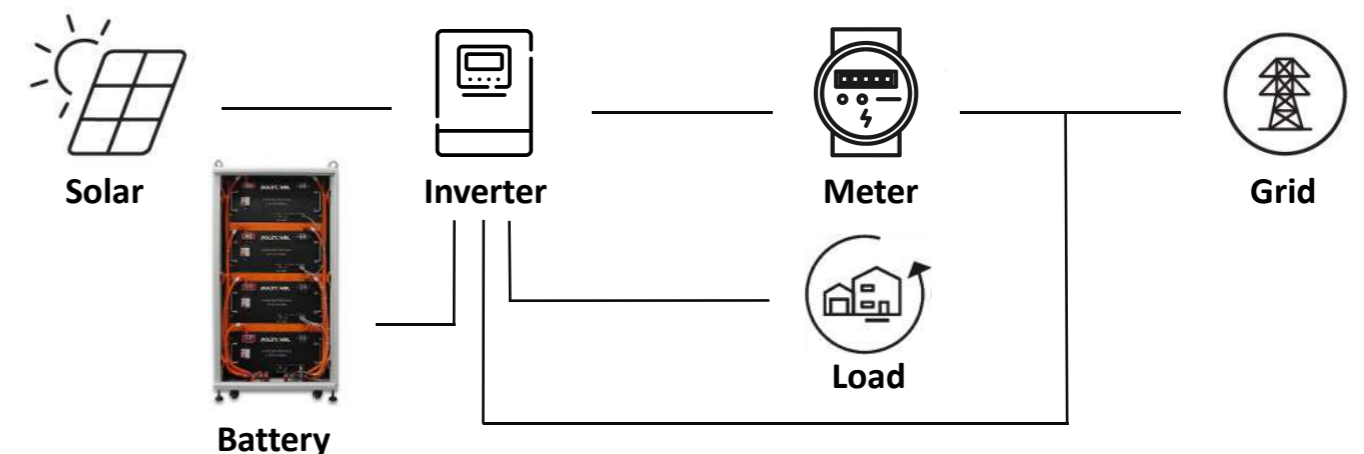
Battery module and cabinet integrated custom design is easier for installation.

Battery Specification

Model	Cabinet10	Cabinet15	Cabinet20	Cabinet25
Nominal Voltage	51.2V			
Nominal Capacity	200Ah	300Ah	400Ah	500Ah
Energy	10.24kWh	15.36kWh	20.48kWh	25.6kWh
Charge Cut-off Voltage	58V			
Discharge Cut-off Voltage	40V			
Recommended Charge Current	60A	100A	120A	150A
Max. Charge Current	100A	150A	200A	200A
Max. Constant Discharge Current	200A	300A	400A	500A
Peak Current	300A	400A	500A	600A
Max. Modules in Parallel	15pcs in parallel			
Communication	RS485/RS232/CAN			
Dimension (L*W*H)	600*600*720mm 23.6*23.6*28.3in	600*600*987mm 23.6*23.6*38.9in	600*600*1165mm 23.6*23.6*45.9in	600*600*1378mm 23.6*23.6*54.3in
Weight	95kg/209.4lbs	141kg/310.9lbs	187kg/412.3lbs	243kg/535.7lbs
Qty/20GP/40GP	48pcs/96pcs	24pcs/48pcs	24pcs/48pcs	24pcs/48pcs
Temperature	Charge: 0~50°C; Discharge: -15~ 60°C			

Specifications subject to change without notice, please contact us to get the latest information.

System Diagram





HV Series | Energy Storage Battery

Polinovel HV Series is a safe energy storage lithium battery system, with voltage optional from 192V to 480V, suited for residential or light commercial buildings that are powered by high voltage. The battery system is created at an automotive-grade craft, bringing a highly reliable power source to ensure the normal operation of the appliances.

Key Features

High safety and reliability for energy storage.

Automotive-grade quality standard provides far superior performance.

Support series connection for flexible energy expansion.

Battery Specification

Model	HV19250	HV192100	HV24050	HV240100
Nominal Voltage	192V		240V	
Nominal Capacity	50Ah	100Ah	50Ah	100Ah
Energy	9.6kWh	19.2kWh	12kWh	24kWh
Charge Cut-off Voltage	218V		200V	
Discharge Cut-off Voltage	160V		270V	
Recommended Charge Current	25A	50A	25A	50A
Max. Charge Current	50A	100A	50A	100A
Max. Constant Discharge Current	50A	100A	50A	100A
Peak Current	100A	200A	100A	200A
Dimension	460*330*480mm 18.1*13*18.9in	600*600*1600mm 23.6*23.6*63in	460*330*640mm 18.1*13*25.2in	1530*600*600mm 60.2*23.6*23.6in
Weight	100kg/220.5lbs	190kg/418.9lbs	170kg/374.8lbs	260kg/573.2lbs
Qty/20GP/40GP	130pcs/190pcs	24pcs/48pcs	75pcs/110pcs	24pcs/48pcs
Communication	RS485/CAN			
Temperature	Charge: Charge Temperature; Discharge: -15~ 60°C			

Model	HV38450	HV384100	HV48050	HV480100
Nominal Voltage	384V		480V	
Nominal Capacity	50Ah	100Ah	50Ah	100Ah
Energy	19.2kWh	38.4kWh	24kWh	48kWh
Charge Cut-off Voltage	435V		545V	
Discharge Cut-off Voltage	320V		400V	
Recommended Charge Current	25A	50A	25A	50A
Max. Charge Current	50A	100A	50A	100A
Max. Constant Discharge Current	50A	100A	50A	100A
Peak Current	100A	200A	100A	200A
Dimension	460*330*780mm 18.1*13*30.7in	600*600*1600mm 23.6*23.6*63in	600*600*1600mm 23.6*23.6*63in	1200*600*1600mm 47.2*23.6*63in
Weight	280kg/617.3lbs	500kg/1102.3lbs	350kg/771.6lbs	600kg/1322.8lbs
Qty/20GP/40GP	45pcs/65pcs	24pcs/35pcs	24pcs/48pcs	12pcs/24pcs
Communication	RS485/CAN			
Temperature	Charge: Charge Temperature; Discharge: -15~ 60°C			

Specifications subject to change without notice, please contact us to get the latest information.

Our Projects



Marine Application

Project Name: 24V/36V Lithium Battery For Trolling Motor
Project Description: 2 x 12V 60Ah lithium batteries are connected in series to power 24V Minn Kota trolling motor; A single 40Ah battery powers 36V motor.
Location/Time: Japan, 2021



Marine Application

Project Name: 48V 200Ah Lithium Battery For Catamaran
Project Description: Tailored 48V 200Ah lithium battery works with 1200W solar panel array and 2 x 300W wind turbines power generating systems to provide enough power for two 14HP motors and onboard appliances.
Location/Time: U.S, 2020



Marine Application

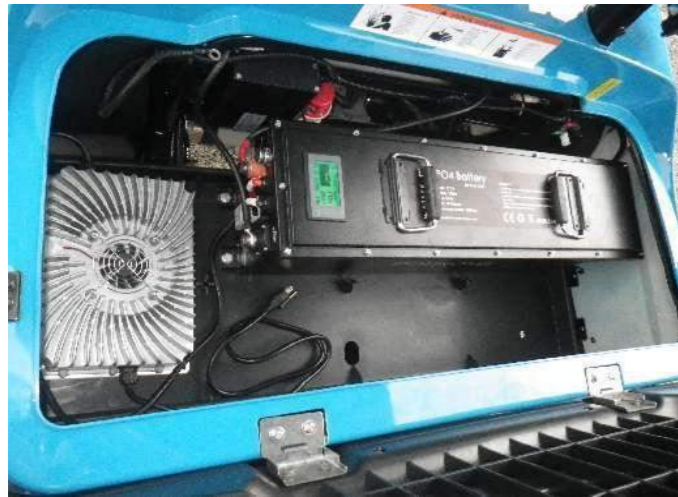
Project Name: 48V 300Ah Lithium Battery For Boat
Project Description: 4 x 12V 300Ah lithium batteries are connected in series to get a 48V system and supply reliable power for the rental boat.
Location/Time: Canada, 2021



RV Application

Project Name: 12V 600Ah Lithium Battery For Trailer
Project Description: The 12V 600Ah lithium battery with customized size replaces 4x120Ah lead-acid in the trailer vehicle to take over rough terrain. Drop-in upgrading with no modification on the battery tray.
Location/Time: Australia, 2021

Our Projects



Golf Cart Application

Project Name: 48V 100Ah Lithium Battery For ICON Golf Cart
Project Description: Tailor-designed 48V 100Ah lithium battery powers 4KW motor of ICON i60L 6 seats golf cart.
Location/Time: U.S, 2020



Golf Cart Application

Project Name: 48V 100Ah Lithium Battery For Club Car Golf Cart
Project Description: Tailor-made 48 volt 100Ah lithium battery replaces six 8 volt Trojan lead-acid batteries, providing power for Club Car Precedent Stretch 48V motor with 2.7kw rated and 14.9kw peak power.
Location/Time: Thailand, 2018



Golf Cart Application

Project Name: 48V 100Ah Lithium Battery For Yamaha Golf Buggy
Project Description: Custom size 100Ah lithium battery drives 48V Yamaha golf buggy motor with 2.6kw output and rating of 30min.
Location/Time: U.K, 2021



Energy Storage Application

Project Name: 48V 7kWh Lithium Backup Power For Home
Project Description: The V7000 48V 7.6kWh power wall lithium battery stores energy for home backup and keeps household appliances running during grid outages.
Location/Time: Puerto Rico, 2020

Our Projects



Energy Storage Application

Project Name: 48V 30kWh Lithium Residential Energy Storage System
Project Description: 4 x 7.6kWh 48V (V7000) power wall lithium batteries connected in parallel and configured with 3 x 5KW solar inverters that get a 48V 30kWh solar energy storage system.
Location/Time: U.K, 2021



Industrial Vehicle Application

Project Name: 48V 300Ah Lithium Battery For Airport Belt Loader
Project Description: The 48V 300Ah lithium iron phosphate battery is mounted on the conveyor belt loader for loading and unloading baggage and cargo at the airport.
Location/Time: Malaysia, 2020



Industrial Equipment Application

Project Name: 24V 48Ah Lithium Battery For AGV
Project Description: The customized 24V 48Ah lithium battery provides twice the energy and running time of conventional lead-acid, and the faster charging dramatically improves the work efficiency of Automatic Guided Vehicle.
Location/Time: France, 2020



Industrial Equipment Application

Project Name: 80V 500Ah Lithium Battery For Ice Resurfer
Project Description: The 80V 500Ah high energy density lithium battery pack drastically reduced the total weight of the machine. The battery is maintenance-free and does not release hazardous gases, upgrading operators' safety and comfort to a higher level.
Location/Time: U.K, 2020



Market Performance

Main Markets

Since its establishment, Polinovel has helped 100+ customers to build their lithium battery brand, main market covers 35+ countries in Europe, North America, South America, Oceania, Asia, Africa.



Partners



Disclaimer:

Polinovel has made this brochure as comprehensive and accurate as possible on the basis of the existing information, but reserve the right to modify the data, parameter, and other information without further notice. Polinovel reserves the right of the final interpretation of this brochure



Pursue A Green Life

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