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Pursue A Green Life

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Clean Energy Everywhere

Content



Company Profile



Company Products



Our Projects



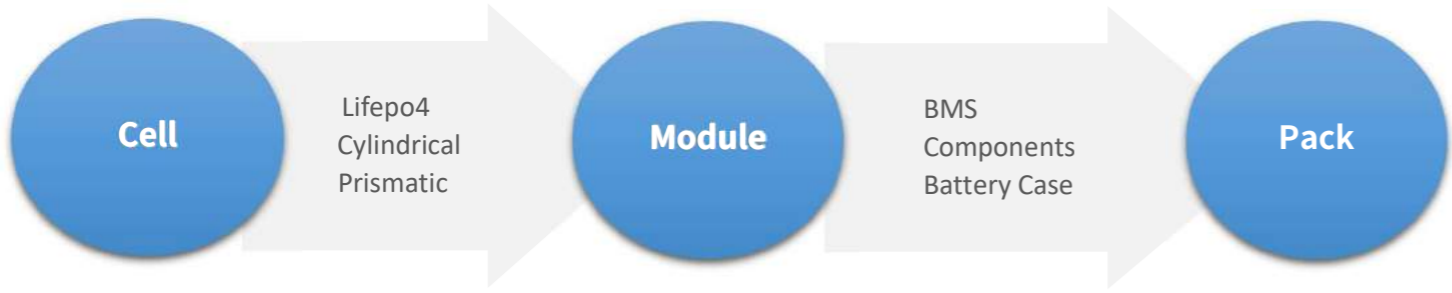
Market Performance

About Polinovel

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 m ² Floorspace	50+ R&D Engineers	80% Export Coverage
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◆ Main Products



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.



◆ Main Applications



- Innovation in Material and Chemistry
- Intelligent Technology Innovation

**Innovation Is
The New Power**

- Structure Design Innovation
- Exquisite Manufacturing Innovation



R&D Capability



100%

Proprietary Technology

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.

50+

R&D Engineers



Material



Structure Design



Production Process



Product Innovation

Quality Assurance

◆ Exquisite Manufacturing

Compliance rate of battery pack reaches 100%



◆ Comprehensive Testing

Multi-Level Testing

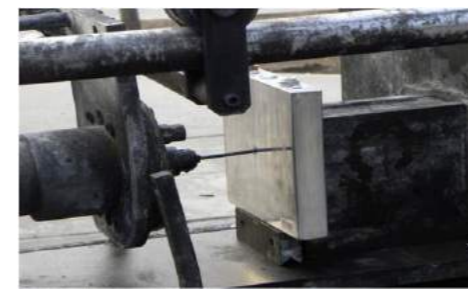
Materials, Cells, Modules, BMS, Packs

Multi Dimensional Testing

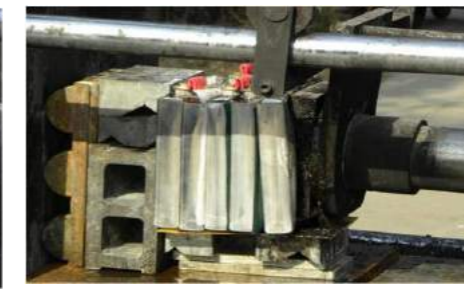
Structure, Craft, Electrical Performance, Safety

International Standards

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



Nail Test



Crush Test



Drop Test



Water Immersion Test



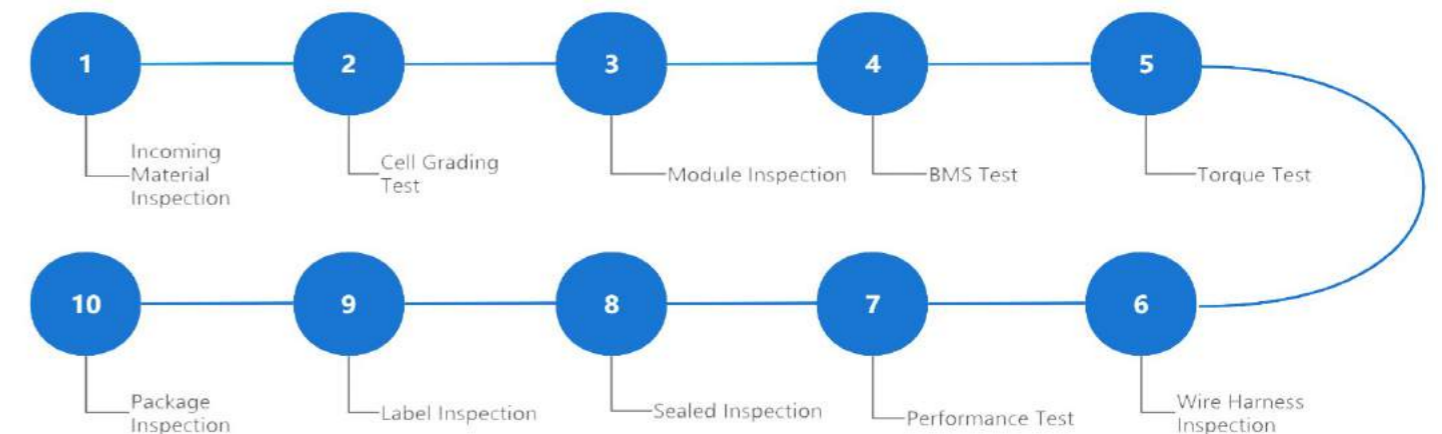
Vibration Test



Salt Spray Test

◆ 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



E-mark



MSDS



UN38.3-Sea



UN38.3-Air



Insurance

Competitiveness

◆ Safety And Reliability

Material safety, electrical safety, and system safety are taken as the basis for product development and manufacturing to ensure safety and reliability of the product throughout the life cycle.



Material Safety



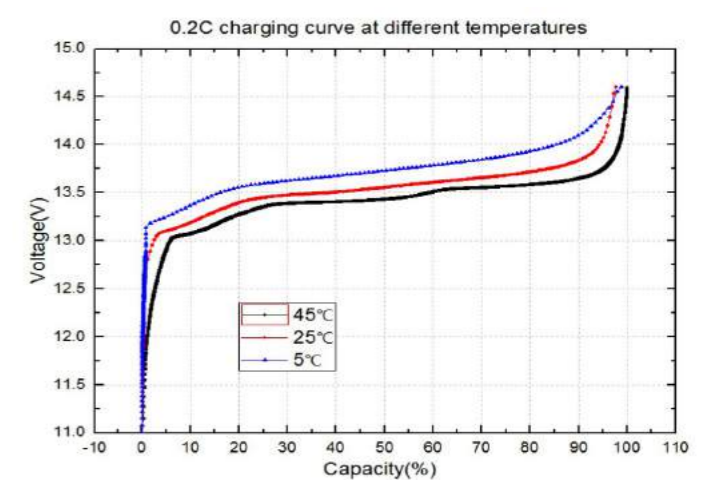
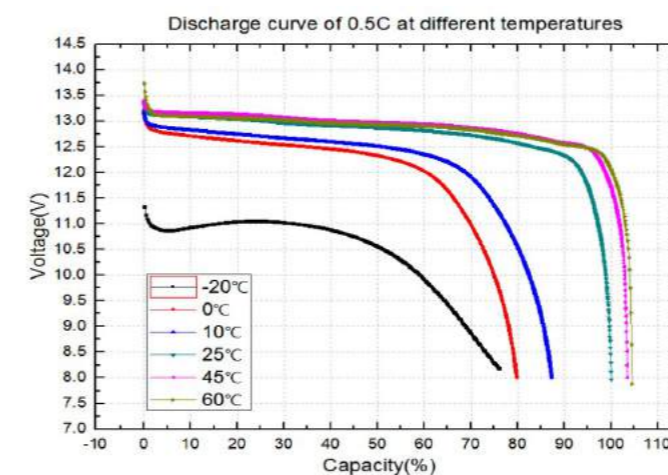
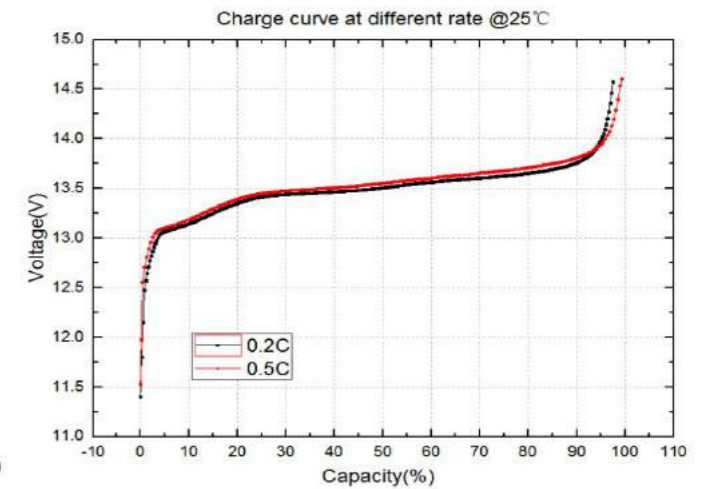
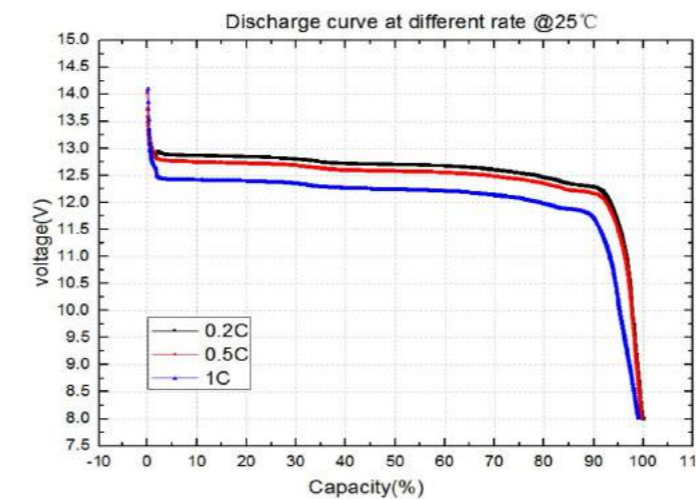
System Safety



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.



◆ 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



Golf Cart



Energy Storage



Forklift



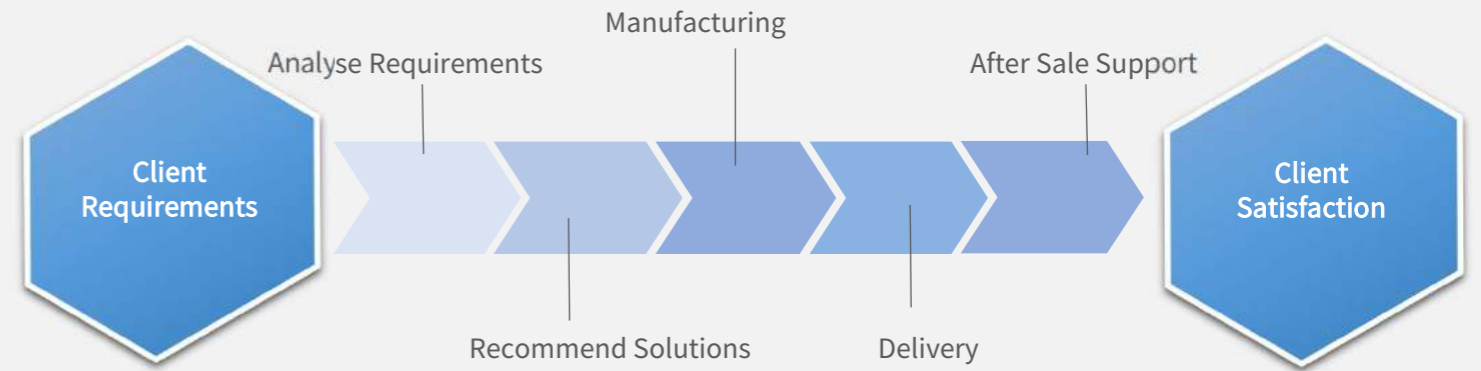
Floor Scrubber

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.

Customizable Factors

<ul style="list-style-type: none"> ① Voltage ② Capacity ③ Charging Current ④ Discharging Current ⑤ Dimension ⑥ Communication 	
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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.



Lead-acid Replacement Battery



Golf Cart Lithium Battery



Forklift Lithium Battery



Floor Scrubber Lithium Battery

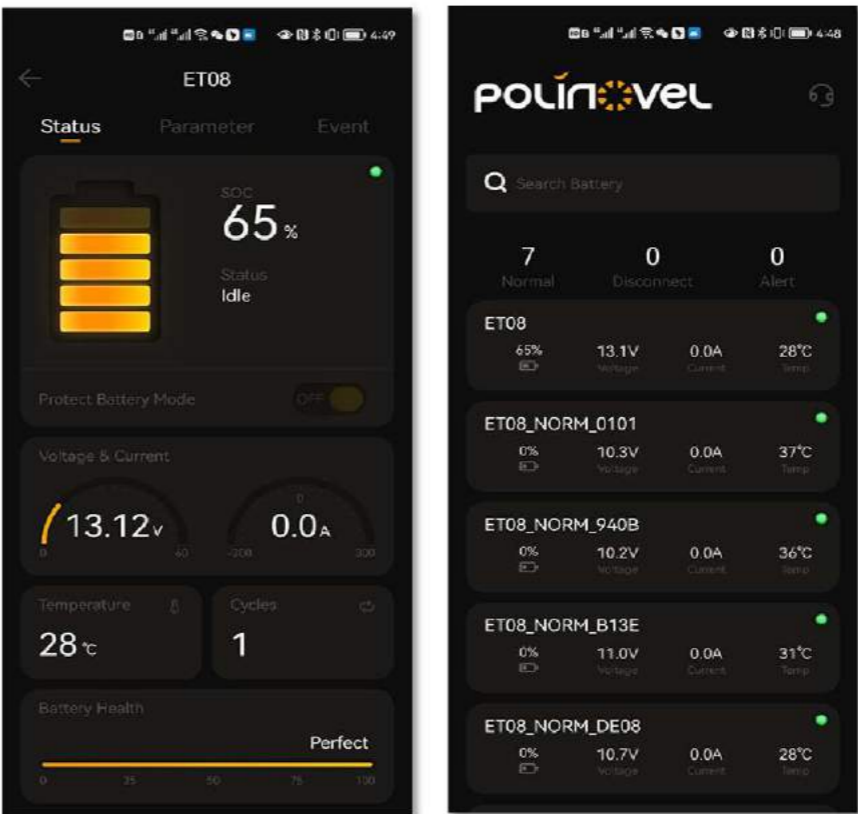


Energy Storage Battery



Lithium Starting Battery

Bluetooth Monitor APP



LCD Indicator



Custom Label



Lead Acid Replacement Lithium Battery

Lightweight . More Usable Power . Longer Lifespan



Lead Acid Replacement Lithium Battery

Tailored Battery Solution Perfect For Any Application



HD/AF/HDN/ARCTIC/BL Series	Nominal Voltage	Nominal Capacity	Energy	Standard Charge Current	Max. Charge Current	Max. Constant Discharge Current	Peak Discharge Current	Dimension (L*W*H) mm	Weight
12V 50AH	12.8V	50Ah	640Wh	10A	50A	50A	100A(<5s)	197*165*170	7.5kg
12V 60AH	12.8V	60Ah	768Wh	12A	60A	60A	120A(<5s)	197*165*170	8kg
12V 80AH	12.8V	80Ah	1024Wh	16A	80A	100A	200A (<5s)	279*175*188	11kg
12V 90AH	12.8V	90Ah	1152Wh	18A	90A	100A	200A (<5s)	353*175*190	12kg
12V 100AH	12.8V	100Ah	1280Wh	20A	100A	100A	200A (<5s)	329*172*214	14.3kg
12V 120AH	12.8V	120Ah	1536Wh	25A	100A	150A	300A (<5s)	329*172*214	15kg
12V 150AH	12.8V	150Ah	1920Wh	30A	100A	150A	300A (<5s)	485*170*220	20kg
12V 180AH	12.8V	180Ah	2304Wh	36A	100A	150A	300A (<5s)	485*170*220	23kg
12V 200AH	12.8V	200Ah	2560Wh	40A	100A	200A	200A (<2s)	520*240*220	27kg
12V 240AH	12.8V	240Ah	3072Wh	50A	100A	200A	400A (<5s)	520*269*220	32.5kg
12V 300AH	12.8V	300Ah	3840Wh	50A	100A	200A	400A (<5s)	520*269*220	35kg
12V 400AH	12.8V	400Ah	5120Wh	80A	100A	200A	400A (<5s)	520*269*220	43kg
24V 50AH	25.6V	50Ah	1280Wh	10A	50A	50A	100A(<5s)	329*172*214	14.3kg
24V 60AH	25.6V	60Ah	1536Wh	12A	50A	50A	100A(<5s)	329*172*214	15kg
24V 100AH	25.6V	100Ah	2560Wh	20A	100A	100A	200A (<5s)	520*240*220	27kg
24V 120AH	25.6V	120Ah	3072Wh	25A	100A	150A	300A (<5s)	520*269*220	32.5kg
24V 150AH	25.6V	150Ah	3840Wh	30A	100A	150A	300A (<5s)	520*269*220	35kg
24V 200AH	25.6V	200Ah	5120Wh	40A	100A	200A	400A (<5s)	520*269*220	43kg
36V 40AH	38.4V	40Ah	1536Wh	8A	40A	40A	80A (<2s)	329*172*214	15kg
36V 50AH	38.4V	50Ah	1920Wh	10A	50A	50A	100A(<5s)	485*170*220	20kg
36V 60AH	38.4V	60Ah	2304Wh	12A	60A	60A	120A (<2s)	485*170*220	23kg
36V 100AH	38.4V	100Ah	3840Wh	20A	100A	100A	200A (<5s)	520*269*220	35kg

Model	Nominal Voltage	Nominal Capacity	Energy	Standard Charge Current	Max. Charge Current	Max. Constant Discharge Current	Peak Discharge Current	Dimension (L*W*H) mm	Weight
GXT12100	12.8V	100Ah	1280Wh	20A	100A	100A	200A (<5s)	325*221*263	14.5kg
XT12100	12.8V	100Ah	1280Wh	20A	100A	100A	200A (<5s)	345*240*190	14.5kg
XT12200	12.8V	200Ah	2560Wh	40A	100A	100A	200A (<5s)	365*240*279	23.5kg
XT12300	12.8V	300Ah	3840Wh	60A	100A	100A	200A (<5s)	425*240*322	31kg
XT24100	25.6V	100Ah	2560Wh	20A	100A	100A	200A (<5s)	508*220*212	23.5kg
ES24200	25.6V	200Ah	5120Wh	40A	100A	100A	200A (<5s)	550*470*190	60kg
ES24250	25.6V	250Ah	6400Wh	50A	100A	100A	200A (<5s)	550*470*250	72kg
ES24300	25.6V	300Ah	7680Wh	60A	100A	100A	200A (<5s)	580*550*250	83kg
LEV4850	48V	50Ah	2400Wh	10A	50A	50A	100A (<5s)	460*210*180	25kg
LEV4860	48V	60Ah	2880Wh	12A	60A	60A	120A (<5s)	460*210*180	27kg
LEV4880	48V	80Ah	3840Wh	16A	80A	80A	160A (<5s)	790*260*230	44kg
LEV48100	48V	100Ah	4800Wh	20A	100A	100A	200A (<5s)	790*260*300	53kg
LEV48120	48V	120Ah	5760Wh	24A	100A	100A	200A (<5s)	790*260*300	60kg
LEV48150	48V	150Ah	7200Wh	30A	100A	100A	200A (<5s)	900*265*300	79kg
LEV48160	48V	160Ah	7680Wh	32A	100A	100A	200A (<5s)	900*265*300	83kg
ES48200	51.2V	200Ah	10240Wh	40A	100A	200A	400A (<5s)	840*450*340	106kg
ES48300	51.2V	300Ah	15360Wh	60A	100A	200A	400A (<5s)	840*450*340	140kg
ES48400	51.2V	400Ah	20480Wh	80A	100A	200A	400A (<5s)	927*460*475	198kg
LEV7250	73.6V	50Ah	3680Wh	10A	50A	50A	100A (<2s)	760*244*190	42kg
LEV7260	73.6V	60Ah	4416Wh	12A	60A	60A	120A (<2s)	760*244*223	50kg
LEV7280	73.6V	80Ah	5888Wh	16A	80A	100A	200A (<5s)	900*265*230	68kg
LEV72100	73.6V	100Ah	7360Wh	20A	100A	100A	200A (<5s)	900*265*300	80kg

Power Wall Lithium Battery V Series

- Power wall modular design in compact size
- Compatible with comprehensive inverters
- RS485 / CAN communication protocol available
- Flexible capacity expansion up to 15 units in parallel



Power Wall Lithium Battery EC Series

- Power wall modular design in compact size
- Compatible with comprehensive inverters
- RS485 / CAN communication protocol available
- Flexible capacity expansion up to 15 units in parallel



Model	V3000	V5000	V7000	V8000
Nominal Voltage	51.2V (16S)	51.2V (16S)	51.2V (16S)	51.2V (16S)
Nominal Capacity	72Ah	102Ah	138Ah	162Ah
Energy	3.68kWh	5.22kWh	7.06kWh	8.29kWh
Dimension (H*W*D) mm	740*600*122	938*605*122	1235*605*122	1235*605*122
Weight	40kg	73kg	90kg	100kg
Recommend Charge Current	60A	100A	100A	100A
Max. Constant Discharge Current	100A	100A	100A	100A
Battery Type	Lithium Iron Phosphate (LiFePO4)			
Self Discharge Per Month	<3%			
Max. Modules In Parallel	15pcs in parallel			
Communication	RS232, RS485, CAN			
Life Cycles	>4000 Times			
IP Rating	IP65			
Charge Temperature Range	0 to 45°C			
Discharge Temperature Range	-20 to 60°C			
Storage Temperature Range	0 to 40°C			

Model	EC500	EC700	EC1000
Nominal Voltage	51.2V (16S)	51.2V (16S)	51.2V (16S)
Nominal Capacity	100Ah	150Ah	200Ah
Energy	5.12kWh	7.68kWh	10.24kWh
Dimension (H*W*D) mm	534*497*214	714*497*219	740*501*195
Weight	55kg	75kg	95kg
Recommend Charge Current	50A	50A	50A
Max. Constant Discharge Current	100A	100A	100A
Battery Type	Lithium Iron Phosphate (LiFePO4)		
Self Discharge Per Month	<3%		
Max. Modules in Parallel	15pcs in parallel		
Communication	RS232, RS485, CAN		
Life Cycles	>4000 Times		
IP Rating	IP65		
Charge Temperature Range	0 to 45 °C		
Discharge Temperature Range	-20 to 60 °C		
Storage Temperature Range	0 to 40 °C		

SOLAR HOME Energy Storage System

- Modern and refreshing design
- Stackable modular with integrated inverter
- Easy for capacity expansion and installation
- Remote monitoring through WiFi/GPRS

SOLAR HOME Energy Storage System

- Modern design with integrated inverter
- Reduce power consumption from grid
- Power supply during the grid outage
- Remote monitoring through WiFi/GPRS

Model	BESS100	BESS200	BESS300	BESS400
Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Nominal Capacity	100Ah	200Ah	300Ah	400Ah
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Dimension (L*W*H) mm	620*390*890	620*390*1110	620*390*1331	620*390*1551
Net Weight	80kg	125kg	170kg	215kg
Battery Type	Lithium Iron Phosphate (LiFePO4)			
Operating Voltage	44.8V ~ 54.75V			
Charge Current	Standard 50A, Max. 100A			
Max. Constant Discharge Current	100A			
Peak Discharge Current	150A @ 1s			
BMS	Yes (intelligent protection BMS per module)			
Output Parameter		Input Parameter		
Rated Output Power	5KVA / 5KW	Max. PV Power	4.5KW	
Peak Output Power	10KVA	MPPT Voltage	60Vdc - 115Vdc	
Wave Form	Pure Sine Wave	Max. PV Voc	145Vdc	
AC Output	230Vac, 50/60Hz	AC Input	230Vac, 50/60Hz (auto sensing)	
General Parameter				
Operating Temperature	Charge: 0°C ~ 45°C; Discharge: -20°C ~ 60°C			
Storage Temperature	0°C ~ 40°C			
IP Rating	IP54			
Communication	WiFi/GPRS (Optional)			

Model	BESS15	BESS20	
Energy	15.36kWh	20.48kWh	
Nominal Capacity	300Ah	400Ah	
Nominal Voltage	51.2V	51.2V	
Dimension (L*W*H) mm	564*582*1104	564*582*1330	
Net Weight	198kg	235kg	
Battery Type	Lithium Iron Phosphate (LiFePO4)		
Operating Voltage	44.8V ~ 54.75V		
Charge Current	Standard 50A, Max. 100A		
Max. Constant Discharge Current	100A		
Peak Discharge Current	150A @ 1s		
BMS	Yes (intelligent protection BMS per module)		
Output Parameter		Input Parameter	
Rated Output Power	5KVA / 5KW	Max. PV Power	4.5KW
Peak Output Power	10KVA	MPPT Voltage	60Vdc - 115Vdc
Wave Form	Pure Sine Wave	Max. PV Voc	145Vdc
AC Output	230Vac, 50/60Hz	AC Input	230Vac, 50/60Hz (auto sensing)
General Parameter			
Operating Temperature	Charge: 0°C ~ 45°C; Discharge: -20°C ~ 60°C		
Storage Temperature	0°C ~ 40°C		
IP Rating	IP54		
Communication	WiFi/GPRS (Optional)		

Golf Cart Lithium Battery

Drop-in Replacement Power Provides Longer Runtime



Forklift Lithium Battery

Reliable And Durable Power For Easy Material Handling



Model	Nominal Voltage	Nominal Capacity	Energy	Standard Charge Current	Max. Charge Current	Max. Constant Discharge Current	Peak Discharge Current	Dimension (L*W*H) mm	Weight
EC36105	38.4V	105Ah	4.03kWh	30A	60A	100A	200A(<10s)	385*338*245	34kg
EC4856	51.2V	56Ah	2.86kWh	20A	30A	50A	200A(<10s)	460*334*232	35kg
EC4866	51.2V	66Ah	3.37kWh	15A	60A	100A	200A(<10s)	770*200*230	45kg
EC48100	51.2V	100Ah	5.12kWh	30A	100A	120A	200A(<10s)	770*200*276.5	60kg
EC48105	51.2V	105Ah	5.37kWh	30A	60A	100A	200A(<10s)	460*334*232	44kg
EC48105H	51.2V	105Ah	5.37kWh	30A	60A	150A	315A(<30s)	585*330*250	47kg
EC48160	51.2V	160Ah	8.19kWh	30A	60A	100A	200A(<10s)	800*360*221	72kg
EC48160H	51.2V	160Ah	8.19kWh	30A	60A	160A	315A(<30s)	800*320*232	75kg
EC48200	51.2V	200Ah	10.24kWh	50A	100A	150A	200A(<10s)	615*420*235	90kg
EC72105	76.8V	105Ah	8.06kWh	30A	60A	150A	315A(<30s)	740*320*246	72kg

General Parameter

Battery Type	Lithium Iron Phosphate (LiFePO4)
Self Discharge Per Month	<3%
Casing Material	Metal
IP Rating	IP67
Charge Temperature	0 to 45 °C
Discharge Temperature	-20 to 60 °C
Storage Temperature	0 to 40 °C

Model	Nominal Voltage	Nominal Capacity	Energy	Standard Charge Current	Max. Charge Current	Max. Constant Discharge Current	Peak Discharge Current	Dimension (L*W*H) mm	Weight
FL24105	25.6V	105Ah	2.6kWh	20A	100A	100A	200A(<5s)	650*196*734	23kg
FL24206	25.6V	206Ah	52.7kWh	40A	100A	150A	300A(<5s)	550*150*530	50kg
FL24420	25.6V	420Ah	10.7kWh	80A	150A	200A	400A(<5s)	782*330*536	115kg
FL36600	38.4V	600Ah	23.0Wh	100A	150A	150A	300A(<5s)	940*563*320	160kg
FL36630	38.4V	630Ah	24.2kWh	100A	150A	200A	400A(<5s)	747*511*552	175kg
FL36840	38.4V	840Ah	32.2kWh	100A	150A	200A	400A(<5s)	762*980*572	225kg
FL48300	51.2V	300Ah	15.3Wh	60A	150A	200A	400A(<5s)	620*345*490	120kg
FL48420	51.2V	420Ah	21.5kWh	100A	150A	200A	400A(<5s)	505*846*569	210kg
FL48630	51.2V	630Ah	32.2kWh	100A	150A	200A	400A(<5s)	762*980*572	225kg
FL80420	76.8V	420Ah	32.2kWh	100A	150A	200A	400A(<5s)	762*980*572	225kg

General Parameter

Battery Type	Lithium Iron Phosphate (LiFePO4)
Self Discharge Per Month	<3%
Casing Material	Metal
IP Rating	IP67
Charge Temperature	0 to 45 °C
Discharge Temperature	-20 to 60 °C
Storage Temperature	0 to 40 °C

Floor Scrubber Lithium Battery

Experience More Power On A Single Charge



Telecom Lithium Battery

Trusted Power For Telecom And Residential Energy Storage



Model	Nominal Voltage	Nominal Capacity	Energy	Standard Charge Current	Max. Charge Current	Max. Constant Discharge Current	Peak Discharge Current	Dimension (L*W*H) mm	Weight
EC2480	25.6V	80Ah	2048Wh	30A	60A	80A	160A(<5s)	340*307*227	20kg
EC24105	25.6V	105Ah	2688Wh	30A	60A	100A	200A(<5s)	340*307*257	23kg
EC24160	25.6V	160Ah	4096Wh	30A	60A	100A	200A(<5s)	488*350*225	36kg
EC24210	25.6V	210Ah	5376Wh	30A	60A	100A	200A(<5s)	488*350*255	41kg
EC24315	25.6V	315Ah	8046Wh	30A	60A	100A	200A(<5s)	600*350*264	60kg
EC36160	38.4V	160Ah	6144Wh	30A	60A	100A	200A(<5s)	600*350*226	50kg

General Parameter

Battery Type	Lithium Iron Phosphate (LiFePO4)
Self Discharge Per Month	<3%
Battery Case	Metal
Communication	RS232/RS485/CAN (Optional)
Charge Temperature	0 to 45 °C
Discharge Temperature	-20 to 60 °C
Storage Temperature	0 to 40 °C

Model	Nominal Voltage	Nominal Capacity	Energy	Standard Charge Current	Max. Charge Current	Max. Constant Discharge Current	Peak Discharge Current	Dimension (L*W*H) mm	Weight
4850-3U	48V	50Ah	2400Wh	20A	50A	50A	100A(<3s)	482*396*132	20.5kg
48100-5U	48V	100Ah	4800Wh	20A	50A	100A	150A(<3s)	482*430*222	38kg
48200-6U	48V	200Ah	9600Wh	20A	50A	100A	150A(<3s)	482*500*270	77kg
48300-6U	48V	300Ah	14400Wh	20A	50A	100A	150A(<3s)	482*570*270	107kg
51250-3U	51.2V	50Ah	2560Wh	20A	50A	50A	100A(<3s)	482*396*132	37.5kg
512100-5U	51.2V	100Ah	5120Wh	20A	50A	100A	150A(<3s)	482*430*222	47kg
512200-6U	51.2V	200Ah	10240Wh	20A	50A	100A	150A(<3s)	482*500*270	80kg
512300-6U	51.2V	300Ah	15360Wh	20A	50A	100A	150A(<3s)	482*570*270	112kg

General Parameter

Battery Type	Lithium Iron Phosphate (LiFePO4)
Self Discharge Per Month	<3%
Charge Temperature	0~45°C
Discharge Temperature	-20~60°C
Storage Temperature	0~40°C

Engine Starting Lithium Battery

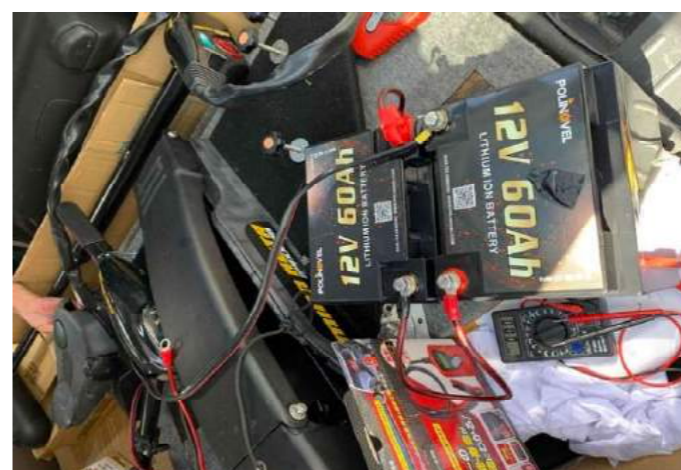
Reliable Power To Start Engine With Ease



Model	Nominal Voltage	Nominal Capacity	Energy	Recommnd Charge Voltage	Discharge Cut-off Voltage	Max. Charge Current	CCA	Dimension (L*W*H) mm	Weight
CA1207	12.8V	7Ah	89.6Wh	14.6V	10V	7A	200A	151*98.5*98.5	0.5kg
CA1210	12.8V	10Ah	128Wh	14.6V	10V	10A	300A	181*77*167	2.2kg
CA1213	12.8V	13Ah	166.4Wh	14.6V	10V	10A	400A	177*87.5*155	2.9kg
CA1220	12.8V	20Ah	256Wh	14.6V	10V	20A	600A	166*175*125	4.3kg
CA1230	12.8V	30Ah	384Wh	14.6V	10V	30A	850A	197*166*170	6.5kg
CA1250	12.8V	50Ah	640Wh	14.6V	10V	50A	1450A	260*169*211	10.8kg
CA1270	12.8V	70Ah	896Wh	14.6V	10V	70A	2200A	307*169*211	16.1kg
CA1280	12.8V	80Ah	1024Wh	14.6V	10V	80A	2400A	323*175*235	17.3kg
CA12100	12.8V	100Ah	1280Wh	14.6V	10V	100A	1200A	329*172*214	11.4kg

General Parameter	
Battery Type	Lithium Iron Phoshpate (LiFePO4)
Casing Material	ABS
Charge Temperature	0-45°C
Discharge Temperature	-20-60°C
Storage Temperature	0-40°C

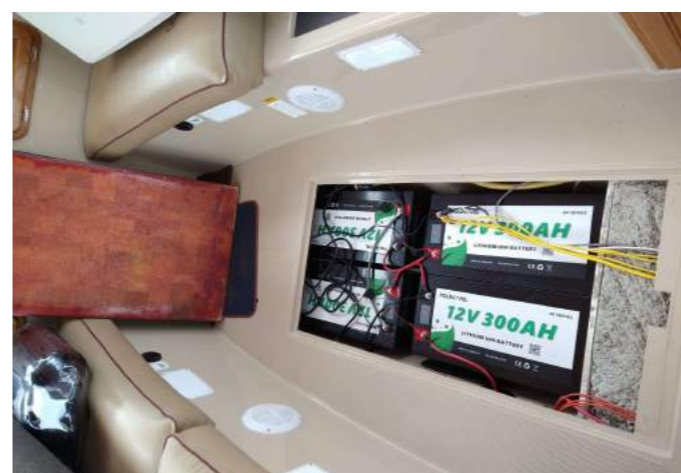
Our Projects



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 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.

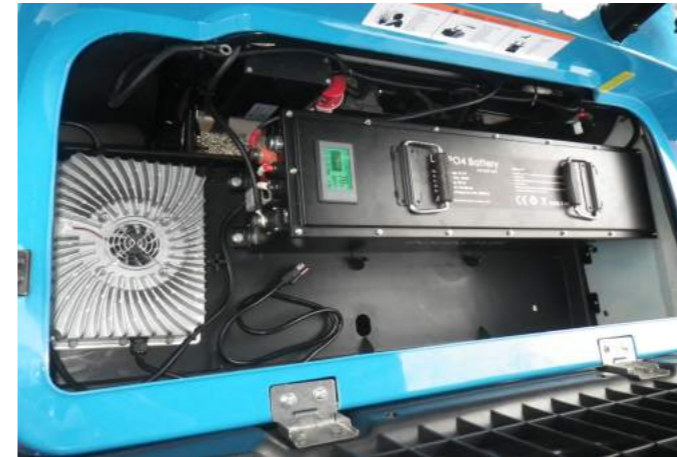
Location/Time: Canada, 2021



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



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



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



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



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



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



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



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 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: 80V 500Ah Lithium Battery For Ice Resurfacer
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
