



LARGE

Dongguan Large Electronics Co., Ltd
www.large-battery.com



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Company Overview



- Large Power was established in 2002

A high-tech enterprise that provides

- **tailor-made special lithium-ion battery solutions**
for global clients

Company Overview

280+

Employees

30%

R&D
Investment
% of net revenue

7 Acres

Floor Area

Application Sectors

Over 20+ industry coverage

Key focus sectors:

Medical, security system, emergency response,
petrochemicals, power utilities, telecommunications, UAV ,
transportation, exploration, surveying and more

Floor Area

15,000 m²

Building A

Test Center @3F
Manufacturing Center @2F
Manufacturing Center @1F

Building B

Technology Center @3F
Project Center @2F
Administrative Center @1F

Our Culture



Our Mission | Customization, anything is possible

Dedicated to empowering our clients' special needs
Committed to enhancing and expanding our capabilities



Our Vision | Global leader in custom special lithium-ion batteries

Dedicated to the research, development, manufacturing and servicing of **special battery cells, packs, and power supplies**
Striving to become global leader in custom special lithium-ion batteries



Our Values | Putting clients first, committing to quality and prioritizing contributors

Our Values



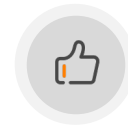
Client
Oriented



Project
Centric



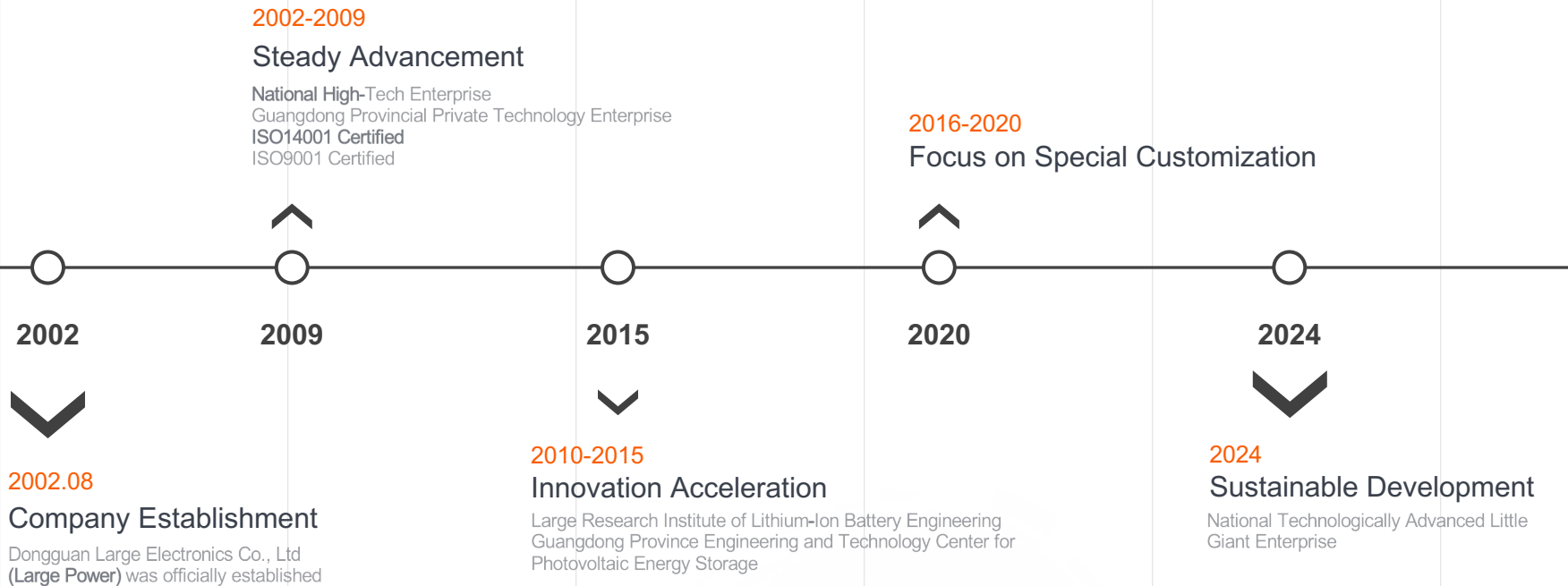
Technology
Driven



Quality
Assured

Integrating market, project and technology to support high-quality development

Our History



23 Years of Specialization in Lithium Battery Customization



Qualifications & Certifications

Enterprise Qualifications

ISO 9001:2015 Quality Management System

ISO 14001:2015 Environmental Management System

GB/T 45001-2020 Occupational Health and Safety Management System

GB/T 29490-2013 Intellectual Property Management System

GB/T 23001-2017 Information Technology and Industrialization Integration
Management System

Product Certifications

UL, CB, FCC, CE, CQC,

CCC, BSMI, PSE, KC,

UN38.3, ROHS, REACH

and more

Technological Innovation Capability

As a national high-tech enterprise, Large Power has consistently adhered to the principles of **application and integration innovation**. By introducing, cultivating, and jointly developing the company's core independent technologies, we continuously enhances our R&D and innovation capabilities, thereby reinforcing the core competitiveness of our customized lithium-ion battery solutions.

86

Patent & Copyright
Registrations

21

National Invention
Patents

32

Utility Models

25

Design Patents

8

Copyrights

Who

we are?

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Brand Positioning

Provider of Tailor-made Special Lithium-ion Battery Solutions

Special Battery Cells | Packs | Power Supply

R&D Platform



Special
Battery
Cells

Research, development and production of battery cells for special environments, performances and specifications



Special
Battery
Packs

High quality and fast response

Customization for multiple types and batches



Special
Power
Supply

Intelligent and high safety customization



PV Energy
Storage

Energy storage, conversion, and cloud monitoring



R&D Platform — Special Cells

01 Special Environments



Extreme conditions such as high temperature, low temperature, hot and humid conditions, and vibration

02 Special Performances



High safety, low temperature discharging, low temperature charging, low temperature rate, nail penetration test and more

03 Special Specifications



Conduct adaptive research and parameter design tailored to special equipment and validate the results through experimentation

We collaborate with multiple universities and jointly operate the Large Research Institute of Lithium-Ion Battery Engineering (Large Research Institute)
With the deep integration of industry and academia as our innovation driver,
we strive to meet clients' unique needs and deliver distinctive, specialized value



Core Competencies in Special Battery Cells

4 High + 1 Low

Large Research Institute of
Lithium-Ion Battery Engineering

High Energy Density

High-Rate Discharge

High Temperature Condition

High Safety

(modified NCM and LCO battery chemistry system)

Continuous high-rate 1C discharge at -40°C

Pass safety tests such as nail penetration and heavy impact

Achieve high energy density

Low Temperature Discharge

(NCM and LiFePO₄ battery chemistry system)

Continuous high-rate 5C discharge at -40°C with over 80% capacity retention

Low-temperature discharge at -50°C with over 75% capacity retention

R&D Platform — Battery Module

Technology Center for Battery Module

Focusing on client needs, Large Power provides a one-stop solution, offering comprehensive technical services that include industrial design, structural design, process design, electronic circuit design and software design



Professional technical team



Independent design solutions



Rigorous experimental validation

Core Competencies in Battery Module

Our Services



Tailor-Made Services

On-demand development, 8-hour response time and lifetime maintenance

Comprehensive Expertise

Industrial design, structural design, electronic circuit design, engineering design as well as one-stop services including quality control, testing, and certification

Wealth of Experience

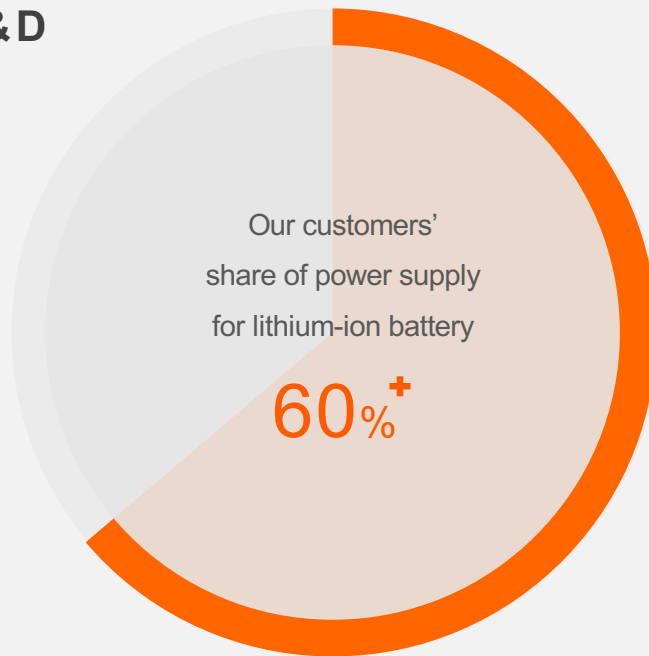
Over 23 years of custom lithium-ion battery development experience, more than 9,000 successful development cases and applications across 20+ industries

R&D Platform — Special Power Supply

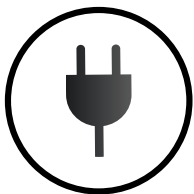
Department of Special Power Supply R&D

With 23 years of experience in custom special lithium-ion batteries, Large Power designs and develops professional, high-safety, and high-reliability special power supplies tailored to the unique chemical characteristics of each end customer's battery system.

Large Power offers special power supply solutions, in-depth tailor-made development and rigorous testing and validation services



Core Competencies in Special Power Supply



High Safety

Intelligent monitoring of various operating conditions, ensuring comprehensive protection

High Reliability

Suitable for driving loads with high inrush current, guaranteed for 50,000 hours of trouble-free operation

Low-Temperature Charging

Operates in environments as low as -43°C

Tailor-made Development

Flexible customization of power supply products, ranging from 10W to 2,000W



R&D Platform — PV Energy Storage

Guangdong Province Engineering and Technology Center for Photovoltaic Energy Storage

Connecting solar cell modules, smart photovoltaic inverters, energy storage battery systems and Internet-based operation and maintenance systems to build a complementary photovoltaic and energy storage power generation system in an energy internet structure

Center for Special Battery Cell Manufacturing

Offering a wide range of products,
models, and batch size of high-quality
tailor-made solutions



210 MWh

annual production capacity

Cylindrical cells (18650, 21700, 26650)

LiPo cells (winding, stacking)

Prismatic cells (LiFePO₄)



Center for Special Battery Cell Manufacturing



The center is equipped with specialized production lines for
cylindrical cells, prismatic cells, winding LiPo cells and stacking LiPo cells

ISO 7 Cleanroom with high-standard temperature and humidity control

A close-up photograph of a robotic assembly line for battery modules. A mechanical arm with a red motor housing is positioned over a black battery pack. A welding torch is visible, performing a spot weld on a metal tab. The background is a blurred industrial setting with orange safety lighting. A semi-transparent black box with white text is overlaid on the left side of the image.

Center for Battery Module Manufacturing

Offering a wide range of products, batch sizes, and fast response times

Providing high-quality tailor-made pack solutions that are fully tailored to the diverse needs of our clients

Annual production capacity: 4 GWh

Center for Battery Module Manufacturing



Rich Experience

Focusing on tailor-made battery modules

- Single modules ranging from 1.5 Wh to 5,000 Wh, with extensive experience in processing a wide range of products

Successful delivery of **180 million** battery modules



Agile Assembly

Flexible manufacturing system

- Over 20 production lines, including flexible lines, laser lines, assembly lines, traceability lines, ultrasonic lines, intelligent lines, special lines, high-power lines

9,000+ successful customization cases



High Quality

Zero-voltage state grouping system & fully traceable system

Comprehensive production equipment assurance, including laser spot welding, polarity detection, pole cleaning and more

5V/3A to 750V/300A product aging systems

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Company Overview

What

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Services Offering

Why

choose Large?

Large Power Competitive Advantage



How

to do?

Collaboration

Covering

20+

Industries



Medical

Security system

Emergency response

Petrochemical

Power utilities

Telecommunication

Robotic

UAV

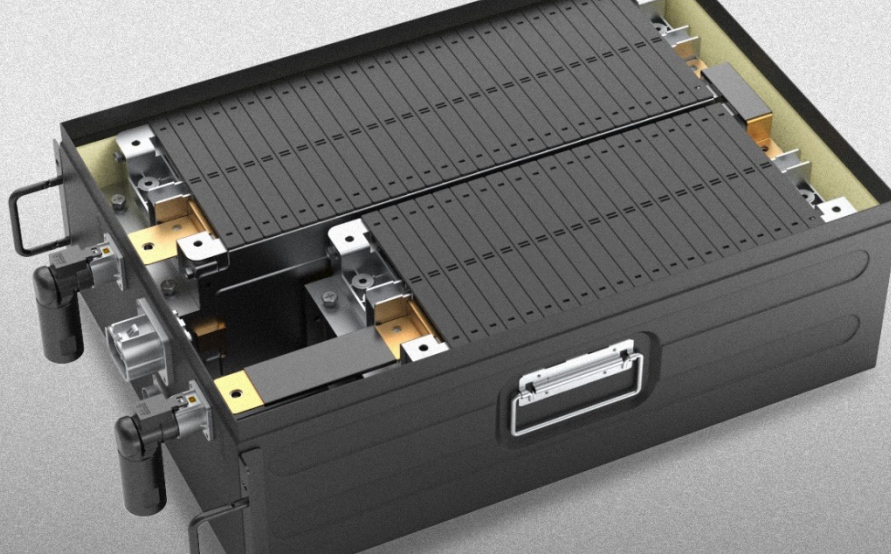
Smart City

Instrumentation

Transportation

Exploration and surveying

...



Developed

9,000+

cases

Handheld infrared testers, communication terminals, endoscopes

Ultrasound machines, oxygen concentrators, ventilators, percutaneous ventricular assist device

Security system equipment, outdoor leisure umbrellas, photography lighting equipment, power transmission and distribution equipment, seismic node

Home robots, commercial service robots, humanoid inspection robot, mine inspection robots

Small transport vehicles, support vehicles Other equipment using lithium-ion batteries

In-house Laboratories

established over 30 testing capabilities, including material, electrical performance, climatic adaptability and safety tests

17+ professional laboratories



Material
Laboratory



Physical & Chemical
Laboratory



Electrical Performance
Laboratory



Climatic Simulation
Laboratory



Safety
Laboratory

In-house Laboratories



Vibration
Laboratory



High Voltage
Laboratory



Special Power Supply
Laboratory



Electronics
Laboratory



BMS
Laboratory

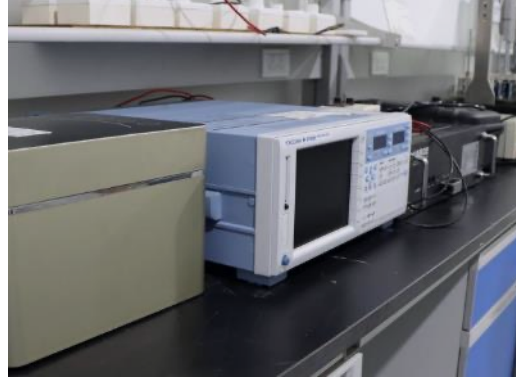
In-house Laboratories



Battery Pack Testing Laboratory

including high power battery pack short-circuit testing facility, overcharge testing facility, and thermal runaway testing facility

In-house Laboratories



Photovoltaic(PV) Energy Storage Laboratories

PV energy storage laboratory, PV energy conversion and storage laboratory and PV cloud monitoring laboratory

In-house Laboratories



High Voltage and High Current Laboratory

Including testing and evaluation of battery module capacity, cycle life, charge retention and recovery ability, charge/discharge characteristics, consistency testing and individual cell temperature characteristics



Low Temperature Power Tool Laboratory

Including testing of startup voltage, startup current, operating current, speed, torque, noise and performance under high and low temperatures

Our Clients

Instrumentation



Medical Devices



Electrical Inspection



Petrochemical & Surveying



Robotics



Others



Special Battery Cells — Mass Production Series

Multiple Types of Battery Cells



- ✓ **Form Factors:** 18650, 21700, 26650, 32700, 46120, Lithium-ion Polymer (LiPo) and Prismatic Cells
- ✓ **Chemistry:** NCM, LCO, LiFePO₄ and Semi-solid-state Cells
- ✓ **Performance:** High Voltage Series, High Energy Density Series, High Discharge Rate Series, Wide Temperature Range Series, Low Temperature Series

Mass Production Series — Detection & Monitoring Equipment



Single/Dual Lithium Battery Pack

IR detection equipment

Temperature meter, portable
thermometer, handheld terminal testing
device and more...

Mass Production Series — Power Utilities



Lithium Battery Pack for Power Inspection Robots

Product Number: × × DQ030

Battery Specifications: 18650-7S19P / 25.2V / 54Ah

Nominal Voltage: 25.2V

Nominal Capacity: 54Ah

Charging Voltage: 29.4V

Discharge Current: 8-20A

Discharge Cutoff Voltage: 19.6V

Battery Weight: 7.0kg

Product Dimensions: 323144141mm (Max)

Charging Temperature: 0 ~ 45°C

Discharging Temperature: -20 ~ 60°C

Application Fields: power inspection robots, testing equipment, and instrumentation



Large Design
2002-2025

Mass Production Series — Power Utilities



Single/Dual Lithium Battery Pack

Lithium battery packs are widely used in power transmission line equipment, distribution line equipment, and renewable energy systems, making them suitable for different usage scenarios in the different regions.



Mass Production Series — Unmanned Ground Vehicles



Lithium Battery for Patrol Vehicles

Lithium Battery for Patrol Vehicles

Product Number: 36AQ×××-28

Model: JD2270160CFL-160Ah-48V

Nominal Voltage: 48V

Nominal Capacity: 160Ah

Charging Temperature: -20°C to +45°C

Discharge Temperature: -20°C to +55°C

Product Dimensions: 851 x 480 x 200 mm

Product Weight: ≤105 kg

Product Features: **IP65 rated**



Lithium Battery for Inspection Robots

Product Number: 04EQ×××-09

Model: IFR26650-80Ah-48V

Nominal Voltage: 51.2V

Nominal Capacity: 80Ah

Charging Temperature: 0°C to +45°C

Discharge Temperature: -20°C to +60°C

Product Dimensions: 580 x 180 x 140 mm

Product Weight: 30 ± 0.5 kg



Low Temperature High Discharge Rate Lithium Battery

Product Number: 40AQ×××-01

Model: JDM-HX033-01

Nominal Voltage: 36V

Nominal Capacity: 20.8Ah

Charging Temperature: 0°C to +45°C

Discharge Temperature: -30°C to +55°C

Product Dimensions: 235 x 210 x 95 mm

Product Weight: 7.8 kg



Large Design
2002-2025

Mass Production Series — Unmanned Underwater Vehicle



UUV-48V Lithium Battery Pack

Product Number: JDM-029-02

Model: 46.8V-27Ah

Nominal Voltage: 46.8V

Nominal Capacity: 27Ah

Charging Temperature: 0°C to +45°C

Discharge Temperature: -20°C to +60°C

Product Dimensions: 600 x 420 x 200 mm

Product Weight: 6.9 kg \pm 0.1 kg

Application Fields: Specialized Underwater Equipment



Robot-84V Lithium Battery

Nominal Voltage: 84V

Nominal Capacity: 49Ah

Rated Capacity: 42Ah / 3.50 kWh

Charging Temperature: 0°C to +45°C

Discharge Temperature: -20°C to +55°C

Product Dimensions: 52.3 x 49.4 x 12 mm

Product Weight: \leq 26 kg

Application Fields: Specialized Underwater Equipment



Large Design
2002-2025

Mass Production Series — Medical Device

Ultrasound Machine Lithium-ion Battery Pack

Product Number: ××AQ109

Model: 18650-4S2P-6200mAh-14.4V

Compliance Standard: GB31241 - 2014

Product Dimensions: 21.5 x 67 x 208 mm

Internal Resistance: $\leq 250 \text{ m}\Omega$

Product Weight: 410 g

Operating Temperature: 0 ~ 45°C (Charging), -20 ~ 60°C (Discharging)

Battery Management: SM Bus protocol, overcurrent/overvoltage protection, overcharge/overdischarge protection, short circuit protection, internal balancing, power monitoring, etc.

Product Features: Reliable performance, with battery management system

Certifications: CE, CB (IEC62133), UN38.3, etc.

Design Standard: **Medical IEC 60601-1:2012**



Large Design
2002-2025

Mass Production Series — Medical Device



Blood Gas Analyzer Lithium Battery

Product Number: ××DQ010

Model: 18650-4S2P-14.8V-5200mAh

Nominal Voltage: 14.8V

Nominal Capacity: 5200mAh

Charging Temperature: 0°C to 45°C

Operating Temperature: -20°C to 60°C

Product Dimensions: 166.5 x 74.5 x 23 mm (Max)

Product Weight: 420 g

Application Fields: Blood gas analyzers, patient monitors, medical devices



Portable Smart Oxygen Concentrator Lithium Battery

Product Number: ××DQ0086

Model: INR18650P-4S2P-5200mAh-14.4V-LT (Smart + Shell)

Nominal Voltage: 14.4V

Nominal Capacity: 5200mAh

Charging Temperature: 0°C to +45°C

Operating Temperature: -40°C to +55°C

Product Dimensions: 150 x 73 x 21 mm

Product Weight: 399 ± 0.5 g

Application Fields: Medical Devices



Mass Production Series — Petroleum Equipment



Lithium Battery for Exploration Equipment

Product Number: ××DQ0028

Model: 18650-4S6P/20Ah/14.4V

Nominal Voltage: 14.4V

Nominal Capacity: 20Ah

Charging Temperature: 0°C to 45°C

Operating Temperature: -20°C to 60°C

Product Dimensions: 65.6 x 210 mm

Product Weight: 1400 g

Application Fields: Gas stations, offshore exploration, mining and more



Large Design
2002-2025

Mass Production Series — Security System Equipment



Lithium Battery for Smart Home Security System Equipment

Product Number: ××DQ0040

Model: 18650-1S2P-3.6V-6700mAh

Nominal Voltage: 3.6V

Nominal Capacity: 6700mAh

Charging Temperature: 0°C to +45°C

Operating Temperature: -20°C to +60°C

Product Dimensions: 69.3 x 48.3 x 25.74 mm

Product Weight: 130 g

Application Fields: Portable devices



Lithium Battery for Smart City Surveillance Equipment

Product Number: ××DQ0023

Model: 18650-3S3P-10.8V-10050mAh

Nominal Voltage: 10.8V

Nominal Capacity: 10050mAh

Charging Temperature: 0°C to +45°C

Operating Temperature: -20°C to +60°C

Product Dimensions: 69.3 x 48.3 x 25.74 mm

Product Weight: 130 g

Application Fields: Outdoor surveillance equipment



Low-Temperature Charge & Discharge Lithium Battery for Outdoor Surveillance Equipment

Product Number: ××WQ0029

Model: 104058-4P-6000mAh-3.7V

Nominal Voltage: 3.7V

Nominal Capacity: 6000mAh

Charging Temperature: -20°C to +45°C

Operating Temperature: -40°C to +55°C

Product Dimensions: 70 x 45.85 x 52 mm

Product Weight: 160 g

Application Fields: Outdoor surveillance equipment



Large Design
2002-2025

Mass Production Series — Railway Transportation Equipment



High-Speed Rail Track Inspection Instrument

Product Number: ××AQ006

Specification/Model: 18650-4S4P-8800mAh-14.8V

Nominal Voltage: 14.8V

Nominal Capacity: 8800mAh (0.2C discharge to 8.0V)

Charging Temperature: 0°C to +45°C

Discharging Temperature: -20°C to +60°C

Product Dimensions: 362 × 77 × 26mm

Output Options:

Aviation Connector: FQ14-27-8 10-05

Anti-Interference Cable: ZR-RVVP 300V, 2-core wire

Cable Length: 400 ± 10mm, Cable Diameter: 7.5mm



Intelligent Power System for Railway Track Drilling

Specification/Model: 48V-13Ah

Nominal Voltage: 46.8V

Nominal Capacity: 13Ah

Charging Temperature: 0°C to +45°C

Discharging Temperature: -20°C to +60°C

Product Dimensions: 300 × 240 × 100mm

Product Weight: 5 ± 0.5kg

Product Features: Integrated system with motor control, voltage regulation, and charging management.



Mass Production Series — Instrumentation Equipment



Low-Temperature Lithium Polymer Battery for Testing Equipment

Product Number: ××WQ0038

Specification/Model: 104058-2S2P-3000mAh-7.4V

Nominal Voltage: 7.4V

Nominal Capacity: 3000mAh

Charging Temperature: -20°C to +45°C

Operating Temperature: -40°C to +60°C

Product Dimensions: 63 × 42.5 × 41mm

Product Weight: 200g

Application Fields: Specialized equipment in low temperature charge and discharge applications



Special Low-Temperature 18650 Battery for Testing Instruments

Product Number: ××BQ673

Specification/Model: 18650-2S2P-6700mAh-

7.2V

Nominal Voltage: 7.2V

Nominal Capacity: 6700mAh

Charging Temperature: 0°C to +45°C

Operating Temperature: -40°C to +60°C

Product Dimensions: 40.35×41.45×70.3mm

Product Weight: 230g

Application Fields: Surveying industry



Lithium Battery for Network Signal Testing Instruments

Product Number: ××WQ0037

Specification/Model: NCR18650GA-4S2P-6600mAh-14.4V

Nominal Voltage: 14.4V

Nominal Capacity: 6700mAh

Charging Temperature: +10°C to +45°C

Operating Temperature: -20°C to +60°C

Product Dimensions: 22 × 77 × 150mm

Product Weight: 390g

Application Fields: 5G base stations, smart city networks



Large Design
2002-2025

Mass Production Series — Outdoor Leisure Equipment



18650 Lithium Battery Pack for Solar Umbrella

Product Number: ××DQ0039

Specification/Model: 18650-4S3P-10.0Ah-14.4V

Nominal Voltage: 14.4V

Nominal Capacity: 10Ah

Charging Temperature: 0°C to 45°C

Operating Temperature: -20°C to 60°C

Internal Resistance of Finished Product: $\leq 350\text{m}\Omega$

Product Dimensions: 43.31 × 94.25 × 255mm

Product Weight: 850g

Application Fields: Solar umbrellas



18650 Lithium Battery Pack for Photography

Lighting

Product Number: ××DQ0302

Specification/Model: 18650-4S2P-5000mAh-14.4V (Smart + Shell)

Nominal Voltage: 14.4V

Nominal Capacity: 5000mAh

Charging Temperature: 0°C to +45°C

Discharging Temperature: -20°C to +60°C

Product Dimensions: 60.1 × 94.3 × 112.2mm

Product Weight: 550g

Application Fields: Photography equipment, outdoor leisure



Large Design
2002-2025

Mass Production Series — Emergency Firefighting Equipment



Lithium Battery for Biochemical Protective Equipment

Product Number: ××DQ0051

Specification/Model: HPB-051-01

Nominal Voltage: 11.1V

Nominal Capacity: 10.0Ah

Charging Temperature: 0°C to +45°C

Operating Temperature: -40°C to +55°C

Product Dimensions: 125 × 76 × 40mm

Product Weight: 480 ± 0.5g

Application Fields: Emergency firefighting



Emergency Firefighting Robot

Product Number: ××KQ104

Specification/Model: LF56-15S1P-48V-56Ah

Nominal Voltage: 48V

Nominal Capacity: 56Ah

Charging Temperature: 0°C to +45°C

Operating Temperature: -20°C to +55°C

Product Dimensions: 550 × 240 × 200mm

Product Weight: 29kg

Application Fields: Emergency firefighting



Mass Production Series — Desktop Backup Power Supply



Portable Power Supply for Rugged Laptop

Product Number: ××DZ007

Battery Model: 21700-4S4P-18.8Ah-14.4V

Nominal Voltage: 14.4V

Nominal Capacity: 18.8Ah

Charging Temperature: 0°C to +45°C

Operating Temperature: -20°C to +60°C

Product Dimensions: 200 × 96 × 48 ± 0.5mm

Product Weight: 1.424kg



Explosion-Proof Low-Temperature Power Bank

Product Number: ××-612-01

Input: 5V-2.3A (max)

Output: 5V-2.1A (A/B)

Maximum Input: 5.2V 2.5A

Rated Capacity: 3400mAh/5V

Battery Energy: 24.05Wh

Battery Capacity: 6500mAh/3.7V

Operating Temperature: -30°C to +60°C

Explosion-proof Standard: Ex ic IIB T4 Gc

Product Performance: Passes needle puncture test



Large Design
2002-2025

Mass Production Series — Multi-Model Charger



DC-DC/14.6V 4A Car Charger

Input Voltage: DC 8~18V

Input Current: 6A Max. (@12Vdc, full load)

Protection Functions: Over-voltage protection, over-current protection, short-circuit protection, input and output reverse polarity protection

Product Dimensions: 118 × 68 × 30mm

Enclosure Type: Outdoor waterproof, customizable

PIN Interface: UL/VDE/CCC

Application Fields: Car, civilian, and industrial chargers



DC/AC-DC/LARGE-H1&H4 Lithium-Ion Battery Charger

Input Voltage: 100-240Vac

Output Voltage: 1.5V-3.65V-4.2V

Output Current: 500mA or 1000mA

Protection Functions: Over-voltage protection, over-current protection, reverse polarity protection, short-circuit protection

Product Dimensions: 113.5 × 38.5 × 30mm / 145 × 104 × 39.5mm

Applicable Batteries: Rechargeable lithium batteries such as 26650, 18650, 18490, 17335, 16340, 10440, etc.

Also compatible with **NiMH batteries, LiFePO4 batteries, and NMC lithium batteries**

Application Fields: Industrial lithium batteries, special lithium batteries, medical lithium battery applications

AC-DC/29.2V 5A Lithium Battery Charger

Input Voltage: 100~240V

Input Current: 1.8A Max. (@100Vac, full load)

Inrush Current: 30A Max. @115Vac (cold start)

60A Max. @230Vac (cold start)

Protection Functions: Over-voltage protection, over-current protection, reverse polarity protection, short-circuit protection

Product Dimensions: 170 × 86 × 44mm

Application Fields: Industrial lithium batteries, special lithium batteries, medical lithium battery applications



Large Design
2002-2025

Mass Production Series — Specialized Power Supply

Rugged Power Supply

Specification/Model: Special Rugged Power Supply

DC Input: 18~36V

DC Output: 24V-10A / 12V multiple outputs / 5V multiple outputs
/ $\pm 15V$ / $\pm 12V$

Operating Temperature: -20°C to $+55^{\circ}\text{C}$

Product Dimensions: $229 \times 163.5 \times 35\text{mm}$

Product Weight: 2.0kg

Application Fields: Special equipment



AC/DC Power Supply Box

Operating Voltage: 186Vac~264Vac, deviation $\pm 3V$

Input Current: Rated current 58A @220Vac input with full load output

DC Output: 110Vdc output: Default output voltage

110Vdc $\pm 5V$, maximum output current 22.5A

220Vdc Output: Default output voltage 220Vdc $\pm 5V$, maximum output current 35A

Operating Temperature: -25°C to $+50^{\circ}\text{C}$

Storage Temperature: -25°C to $+70^{\circ}\text{C}$

Dimensions: $450 \times 540 \times 250\text{mm}$

Product Weight: $\leq 40\text{kg}$



Large Design
2002-2025

Who

we are?

Company Overview

What

we do?

Services Offering

Why

choose Large?

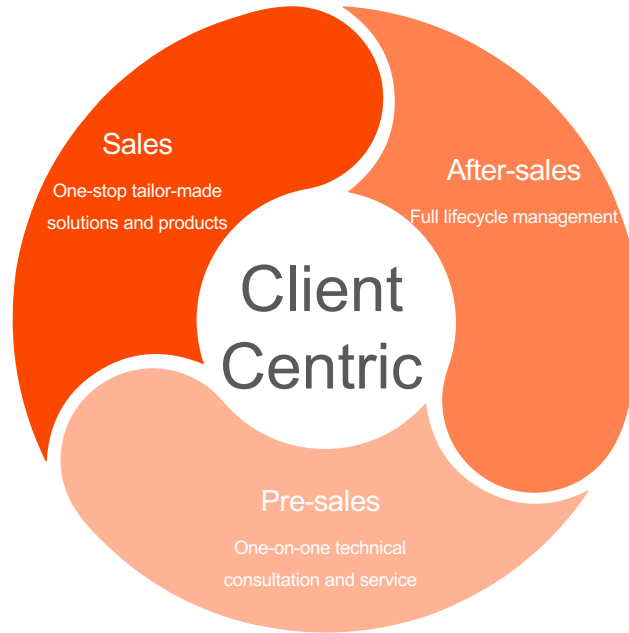
Large Power
Competitive
Advantage

How

to do?

Collaboration





FIRST STEP

1V1 technical support, including project evaluation and product definition.



NEXT STEP

Based on requirements, we complete product development, prototype testing, customer adaptation, solution updates, product finalization and other development tasks.



LAST STEP

Provide full lifecycle service support and iteration planning for the product.

Customization Process

```
graph LR; A[Product Definition] --> B[R&D and Prototype Development]; B --> C[Business Confirmation]; C --> D[Mass Production and Delivery];
```

Product Definition

Product definition and initial communication
Clarification of requirements
Solution proposal

R&D and Prototype Development

Prototype development
Product testing
Design finalization

Business Confirmation

Development quotation
Contract signing

Mass Production and Delivery

Mass production
After-sales support
Product iteration

Our Evolution

23+

Focus on Lithium-ion Battery Customization

Founded in 2002, we are a national high-tech enterprise providing customized solutions and products for special lithium-ion battery systems to clients worldwide.

17+

Professional Laboratories

From material formulation to the testing and validation of critical components, as well as climatic and aging tests for semi-finished and finished products, we conduct comprehensive experimental validation throughout the entire process.

86+

Patents & Copyrights

With 21 national invention patents, we are a R&D-driven enterprise, offering clients comprehensive product services.

9,000+

Customization Cases

Our product development cases cover more than 20 industries, including transportation, power utilities, petrochemicals, instrumentation, robotics, medical and more.

180+million

Battery Modules

Single cells, small handheld device battery packs, medium portable power supplies, large stationary backup power systems and vehicle-mounted energy storage battery packs.

Thank You

