



**LARGE**

Dongguan Large Electronics Co., Ltd  
[www.large-battery.com](http://www.large-battery.com)



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# Who

we are?

Company Overview



# What

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Services Offering

# Why

choose Large?

Large Power  
Competitive  
Advantage

# How

to do?

Collaboration

# 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 m<sup>2</sup>

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



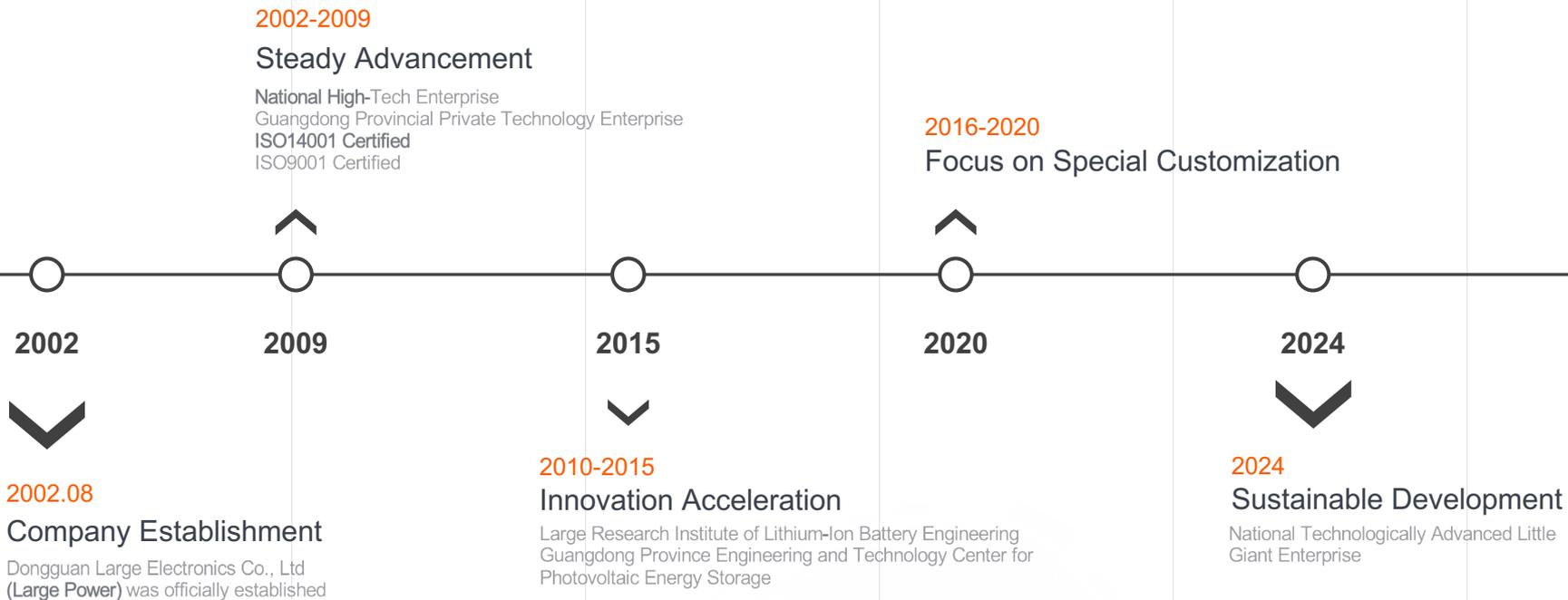
**Technology**  
Driven



**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

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# Brand Positioning

Provider of Tailor-made Special Lithium-ion Battery Solutions

Special Battery Cells | Packs | Power Supply

# R&D Platform

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## Special Battery Cells

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



## Special Battery Packs

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High quality and fast response

Customization for multiple types and batches



## Special Power Supply

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Intelligent and high safety customization



## PV Energy Storage

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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

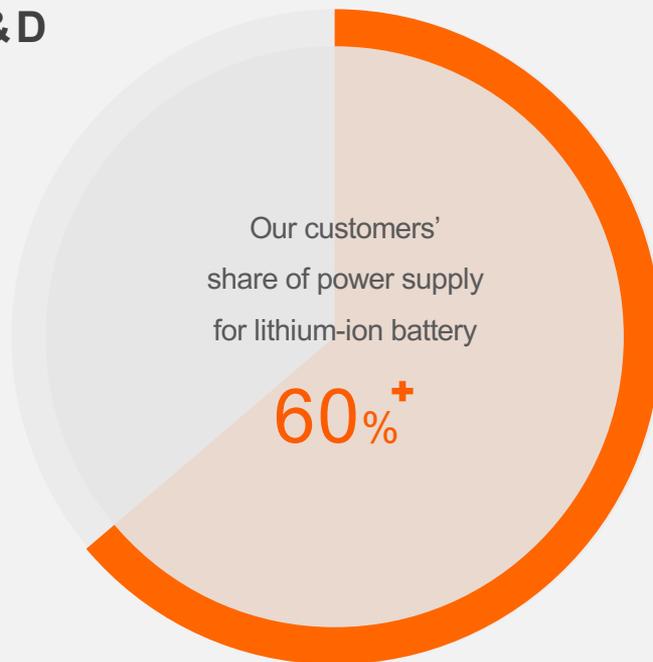
Over 23 years of custom lithium-ion battery development experience, more than 9,000 successful development cases and applications across 20+ industries

# R&D Platform — Special Power Supply

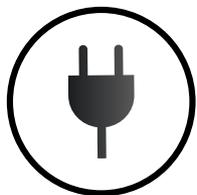
## Department of Special Power Supply R&D

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 (LiFePO<sub>4</sub>)

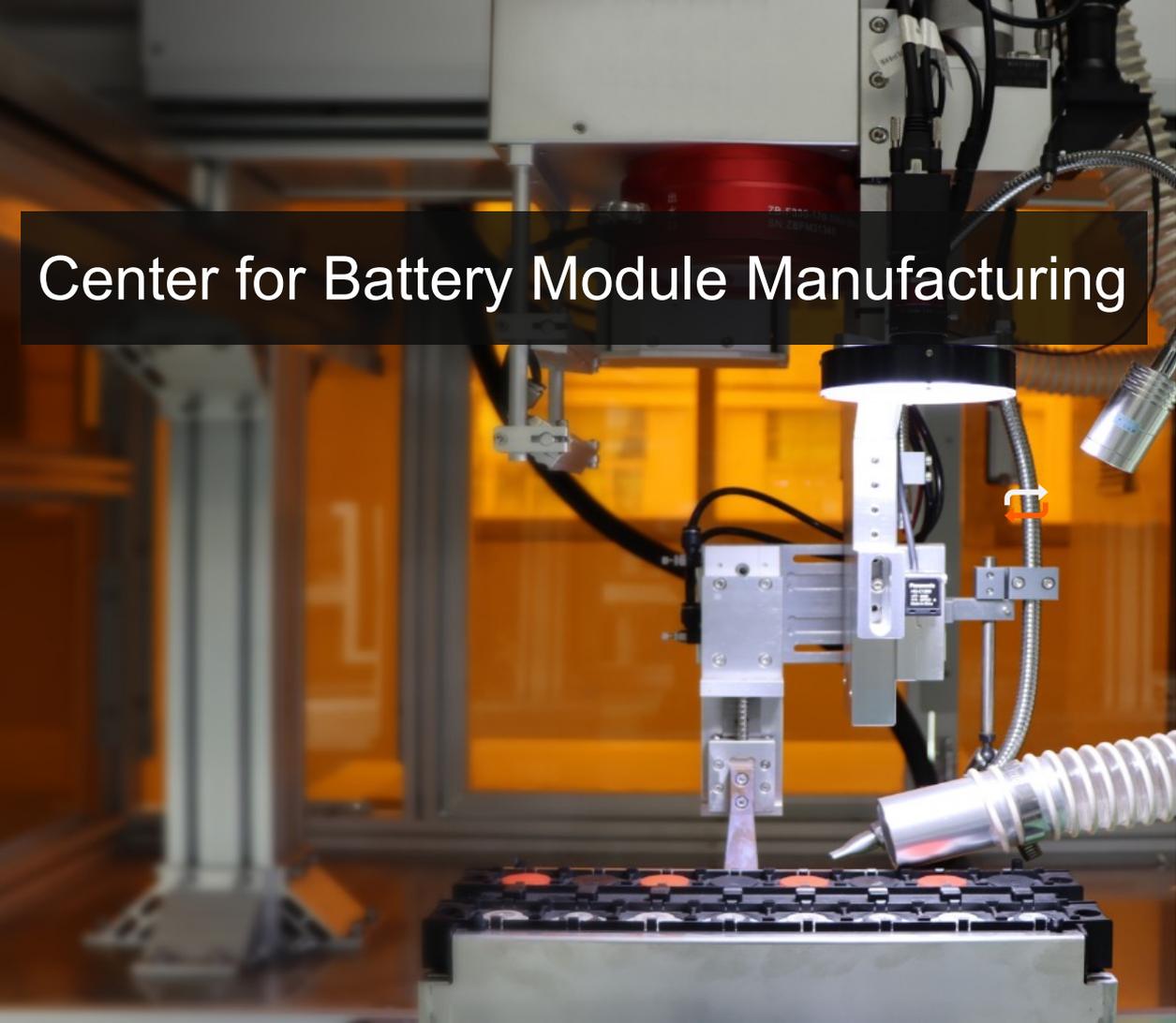


# Center for Special Battery Cell Manufacturing



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



# 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

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Services Offering

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choose Large?

Large Power Competitive Advantage



# How

to do?

Collaboration

Covering

20+

Industries



Medical

Security system

Emergency response

Petrochemical

Power utilities

Telecommunication

Robotic

UAV

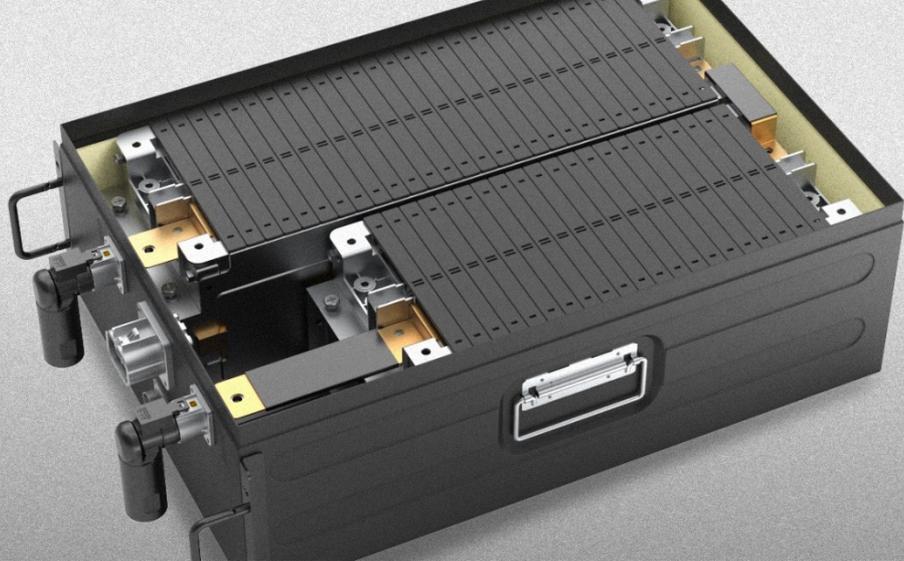
Smart City

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

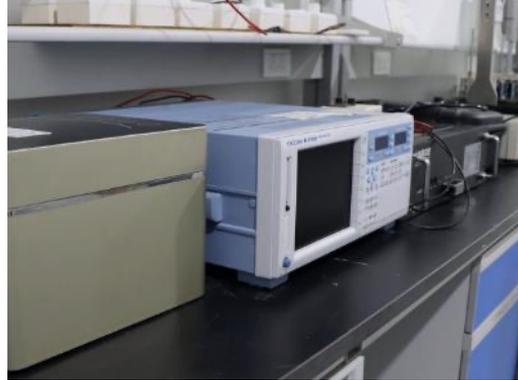
# In-house Laboratories



## 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



中国电子科技集团有限公司



## Medical Devices



让科技推动生命



## 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, LiFePO<sub>4</sub> 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

# 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



# Mass Production Series — Medical Device



## Ultrasound Machine Lithium-ion Battery Pack

Product Number: xxAQ109

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

Compliance Standard: GB31241 - 2014

Product Dimensions: 21.5 x 67 x 208 mm

Internal Resistance:  $\leq 250$  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

# 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**



# 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: ≤350mΩ

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

# 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**



# 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

## 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



## 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



# 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:  $-20^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$

Product Dimensions: 229 × 163.5 × 35mm

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

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

Dimensions: 450 × 540 × 250mm

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



# 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

The diagram illustrates a four-stage customization process. A central horizontal blue line represents the timeline, with vertical lines marking the boundaries of each stage. The stages are arranged from left to right: Product Definition, Business Confirmation, R&D and Prototype Development, and Mass Production and Delivery. Each stage is labeled with a title and a list of activities.

## 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+

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## 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+

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## 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+

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## Patents & Copyrights

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

9,000+

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## Customization Cases

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

180+million

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## 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

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