

AMERICAN-MADE BATTERY PACKS FOR A MULTITUDE OF SMALL-USE APPLICATIONS.

Lion Power Systems (LPS) lithium cells are safer, more reliable and highly competitive cost:

ADVANCED MANUFACTURING PROCESS:

- First-class level production line
- 94% FPY = cost leadership
- Over 30 years R&D in LPS batteries

4 TYPES OF SAFETY MATERIALS:

- Safer cathode material
- Superior thermal closure separator
- Higher thermal stability cathode material
- Electrolyte with flame-retardant additives

3 LEVELS OF SAFETY STRUCTURE:

- Winding-type safety structure
- Positive/negative tabs wrapped with flame-retardant tape
- Preset safety cover + explosion-proof valve

6-STEP SAFETY CONTROL

- Moisture, particle, burr, metal particle, winding alignment & can insertion

8-POINT SAFETY TEST

- Overcharge, over-discharge, short circuit, mechanical shock, drop, & immersion
- Covers safety testing standards of lithium-ion batteries in most of the major global economies like GB31241, UL1642, UL1973, IEC62619

MAIN APPLICATIONS:

- Power tools & household appliances
- Backup power supply for Telecom
- E-bikes and scooters
- New energy storage
- New energy vehicles
- Aerospace & rail transit

QUALITY ASSURANCE:

- Incoming materials inspection control (IQC)
- Process inspection control (IPQC)
- Final product inspection (OQA)
- Quality engineer (QE)
- Quality system team (QST)

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TAKE CONTROL WITH SOLAR STORAGE





The Future of Energy Independence



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LION POWER SYSTEMS

is an American alternative energy company



launched in 2021 to capitalize on over half a century of technology research and development, and the expenditure of tens of millions of R&D dollars. Based in the Hampton Roads region of Virginia, LPS is committed to providing innovative, reliable and affordable renewable energy solutions for residential, commercial and industrial applications.

As its inaugural product, based on breakthrough lithium materials chemistry and ground-breaking system design, LPS now offers game-changing energy storage solutions that deliver a combination of high power, excellent safety and long life with a range of applications:

- Solar power solutions
- Microgrids
- Home Energy Storage
- Golf carts
- RVs
- Marine
- Industrial Batteries



In Development – *Thin Flat Solid-State Lithium-ion Battery*

In 2024, Lion Power will introduce into the marketplace the first commercially viable Solid-State Lithium-Ion Battery for the EV and Power Wall markets and for other industrial applications. LPS' pioneering system has been developed over more than a decade, the result being a solid-state battery that can be used in all the segments of the Battery Industry.

LPS brings you customized battery systems with a full range of services that pave the way for a greener and more efficient future and help to reduce the human impact on the environment.



LPS HOME ENERGY STORAGE BATTERY PACK

LFP 48v Residential ESS, support most of the AC coupling inverters.



GOLF CART

36v, 48v to 72v, perfect parts for golf cart manufactures and dealers.



LION POWER GRID ESS

Provide high quality large cell and packs for large ESS systems.



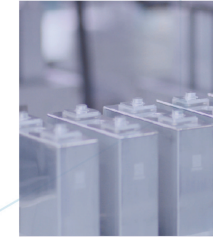
FORKLIFT BATTERY PACK

Long running time, long deep charging life cycle, IoT integrated for easy management.



BATTERY PACK CIRCULAR CELLS

We provide whole series of cylinder cells from 18650 to 21700



BATTERY PACK RECTANGULAR CELLS

Reliable rectangle cells from 20A to 300A, LFP based.



LPS TELECOM BATTERY PACK CASE

For general purpose of 48v DC backup, best choice for your telecom/IDC projects.



LPS LEAD ACID REPLACEMENT BATTERY

Good quality, wide temperature range, affordable.

SMART MANUFACTURING TECHNOLOGY FOR THE BATTERY industry