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# Lithium Batteries for Electric Motorcycles

Enduring Power  
Ignites the Two-Wheel Thrills



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# ROYPOW

## For One-stop New Energy Solutions

- R&D, manufacturing and sales of motive power systems and energy storage systems as one-stop solutions
- Fully automatic production lines, a full range of test equipment and an advanced MES
- Covering Low-Speed Vehicles' Batteries, Industrial Batteries, as well as Residential ESS, Commercial & Industrial ESS, and Mobile ESS
- Self-development of power electronics technologies, including PCS, BMS, and EMS



**750+** Employees  
**190+** R&D People  
**105,000 m<sup>2</sup>** Headquarters Floor Area  
**2,500 m<sup>2</sup>** Testing Center  
**231** Patents

### Quality Control Certificates:

- ✓ Environmental Management System: ISO 14001:2015
- ✓ Occupational Health and Safety Management System: ISO 45001:2018
- ✓ Quality Management System: ISO 9001:2015, IATF16949:2016
- ✓ Information Security Management System: ISO/IEC 27001:2022
- ✓ Social Accountability Management System: SA8000:2014
- ✓ Hazardous Substance Process Management: IECQ QC 080000



### Product Certifications:

UL 1973, UL 9540A, UL 9540, UL 2580, UL 2271, UL 1741			FCC, IEC/EN 61000-6, BS EN IEC 61000-6
IEEE 1547			IEC 60730, ISO 13849-1
IEC 62619			UN 38.3
EN 62477, EN 62040, (EU) 2023/1542, EN 62109-1, EN 62109-2			RoHS Directive 2011/65/EU & (EU) 2015/863

### R&D and Manufacturing Highlights

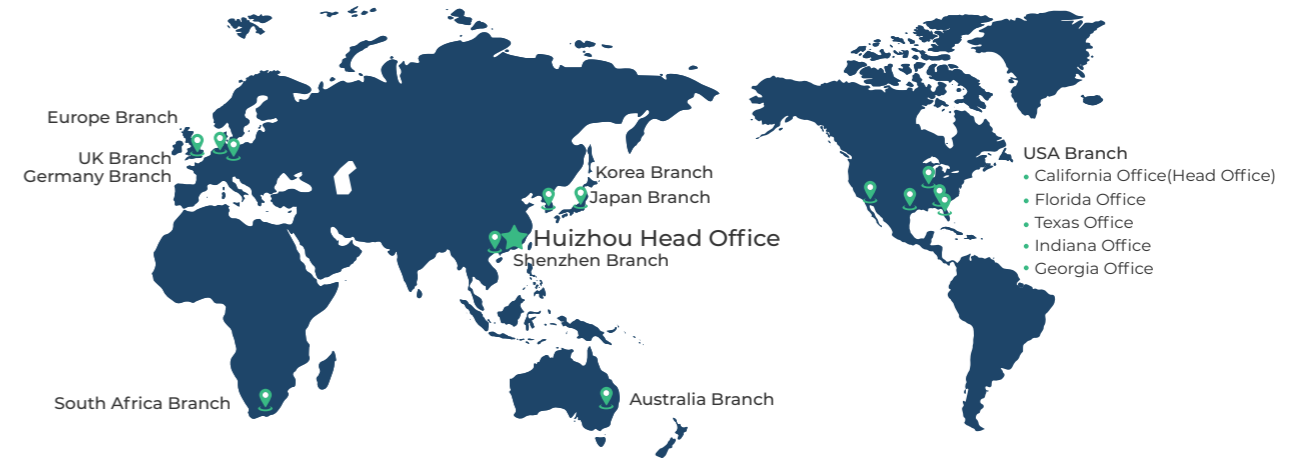
As a result of these investments, ROYPOW is capable of "end-to-end" integrated delivery, making our products out-perform the industry norms.

- Fully Automatic Production Lines
- BMS, PCS, EMS All Designed in House
- All-round Testing
- Advanced MES System

### Global Sales and Service Network

- Timely Delivery
- Hassle-free After-sales Service
- Fast Response Technical Support

ROYPOW has comprehensively unfolded its overseas market layout to ensure the localization of R&D, manufacturing, marketing and service, becoming one of your most reliable and valuable partners.



### Upgrading to New Technology, with Our Turnkey Solutions.

With years of dedication to new energy solutions, we are proud to offer customers professional solutions for:

- Low-speed Vehicle Batteries
- Battery Systems for Off-highway Applications
- Residential Energy Storage Systems
- Mobile Energy Storage Systems
- Industrial Batteries
- Battery Systems for Emerging Applications
- Commercial & Industrial Energy Storage Systems
- Motors, Controllers and Chargers





*Powered by ROYPOW  
Electric Motorcycle Batteries*



## Unmatched Power and Range for an Exhilarating Ride

Whether you're navigating city streets or embarking on an extended adventure, ROYPOW batteries for electric motorcycles power your ride, providing the energy to explore more, go farther, and savor every moment on the open road.

As you twist the throttle, you feel the surge of power, delivering an exhilarating acceleration and unbridled joy of speed that add a new dimension to your riding escapades.



### Enduring Power

Unlock extensive mileage and exceptional range, ensuring you can go the distance in a single charge.



### Built to Last

Elevate your riding experience with ROYPOW electric motorcycle batteries, engineered to last for years to come, and revel in every journey.



### Peace of Mind

Rest assured with the ultimate safety, designed to provide a secure and reliable power source for worry-free rides.



# Powered by New Lithium Technologies

ROYPOW equips electric motorcycle batteries with cutting-edge high-energy-density Lithium battery technologies, delivering a power-packed and reliable solution for the dynamic world of electric mobility and setting new standards for the electric motorcycle riding experience.

Lithium Batteries



### Ultra-Safe

Multiple protections and more thermal and chemical stability



### Fast Charge

It only takes 45 minutes to charge from 20% to 80%



### High Reliability

Built to resist vibration and shock to provide stable power



### Multiple Cell Types Available

NCM, LFP, LMFP, and LMO available to meet specific demands



### Optional Display and Bluetooth Function

Customizable for different energy management demands

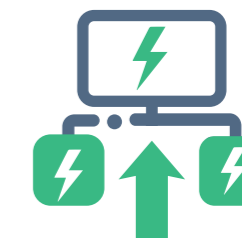
## High Power Output

ROYPOW batteries are engineered for high power output to ensure dynamic and robust performance for electric motorcycles, delivering an exhilarating riding experience with every twist of the throttle.



## Support 2 Units in Parallel

Our batteries boast seamless scalability to increase capacity as needed for your electric motorcycle. Moreover, the batteries support working in parallel, allowing riders to boost the power and range effortlessly.



## Customized Connectivity

ROYPOW electric motorcycle batteries offer users the flexibility to customize communication protocols. Users can optimize and enhance connectivity performance according to their specific needs.





## Built-in Battery Management System (BMS)

ROYPOW's intelligent BMS ensures the electric motorcycle battery's peak performance and safety through multiple protections, maximizing efficiency and extending battery life.



Over-temperature Protection



Over-current Protection



Over-voltage Protection



Over-charge Protection



Over-discharge Protection



Short-circuit Protection



## Rugged Reliability

The battery shell is made of space Aluminum, highly resistant to salt spray, and ruggedly constructed to meet rigorous industry standards. It's designed to endure the vibrations of extended rides and minimize wear for prolonged battery life.



## IP67 Rated Protection

With IP67-rated protection, ROYPOW batteries are engineered to endure dust, water, and extreme environmental conditions. Ride confidently, knowing they consistently deliver reliable power, regardless of the weather conditions.







Model	EM6030	EM7225	EM7230	EM7240A	EM7240B	EM10250	EM33550
Cell Type	NCM	NCM	NCM	NCM	NCM	NCM	NCM
Nominal Voltage	60V	72V	72V	72V	72V	102V	335V
Nominal Capacity	30Ah	25Ah	30Ah	40Ah	40Ah	50Ah	50Ah
Max. Output Current	60A	60A	60A	80A	80A	100A	100A
Dimensions	7.28*6.14*14.96 inch 185*156*380 mm	4.64*5*15.43 inch 118*127*392 mm	8.66*6.14*14.96 inch 220*156*380mm	8.86*3.82*18.78 inch 225*97*477 mm	7.87*6.69*13.89 inch 200*170*353 mm	17.32*14.17*5.90 inch 440*360*150mm	26.77*26.18*5.90 inch 680*665*150mm
IP Rating	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Parallel Capable	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Communication	CAN / RS485 / UART / 1-wire	CAN / RS485 / UART / 1-wire	CAN / RS485 / UART / 1-wire	CAN / RS485 / UART / 1-wire	CAN / RS485 / UART / 1-wire	CAN / RS485 / UART / 1-wire	CAN / RS485 / UART / 1-wire

Note: ROYPOW offers standard and customizable power solutions to meet your specific requirements and fit more leading electric motorcycles.