

Lithium battery solutions

LiFePO₄ Batteries for Golf Carts / LSVs / UTVs













The Global Leader
in Lithium Golf Cart Batteries

































SUPERCHARGE[®]
BATTERIES
MASTER DISTRIBUTOR

LiFePO₄ Benefits **over** Lead-Acid Batteries

All the powerful benefits make the ROYPOW LiFePO₄ battery an ideal replacement for traditional lead-acid batteries. Converting your battery to lithium-ion may require a higher initial investment, but its ongoing savings on energy, equipment, labor and downtime will dramatically lower your total cost of ownership (TCO).

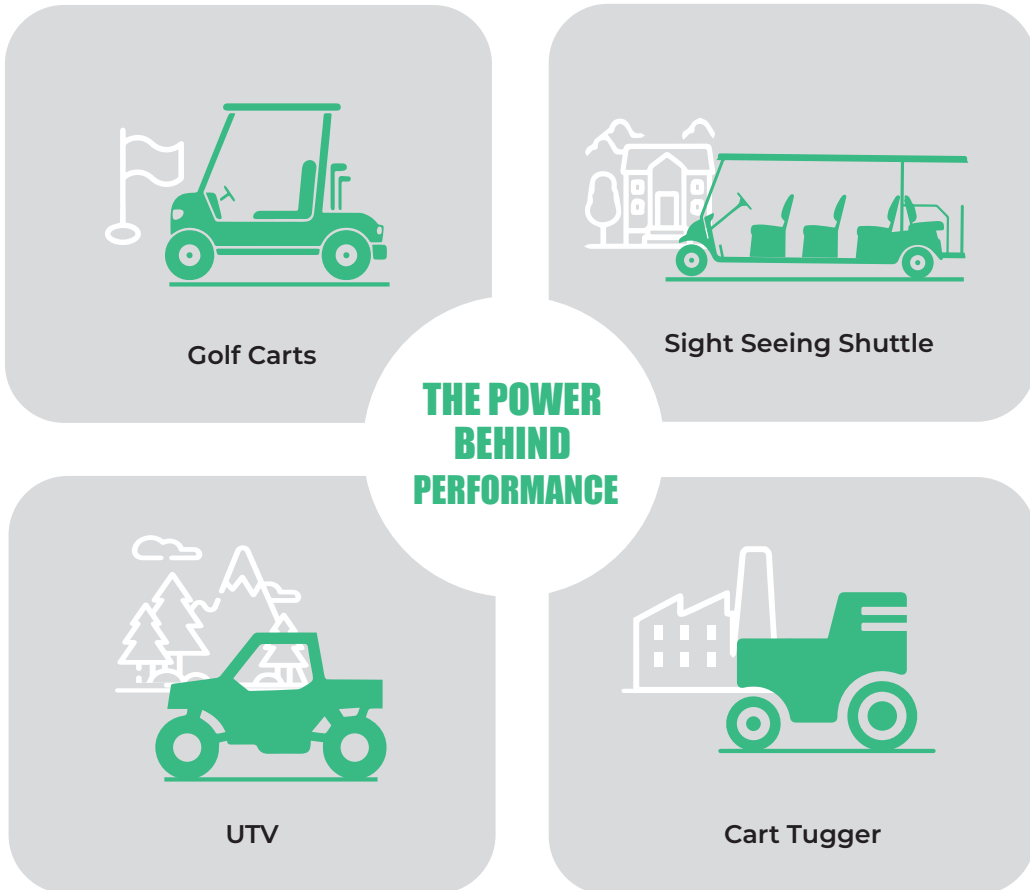
LiFePO ₄		Lead-Acid	
 Around 10 years	Design life	 3 years	
 4,000 times	Cycle life	 < 500 times	
 Maintenance- free	Maintenance	 Regular maintenance required	
 *About 2.5 hours, charge any time	Charging time/frequency	 About 8 to 10 hours, charge after use	
 Multiple built-in protections	Safety	 Potential acid spills	
 Eco-friendly	Environment effects	 Harmful lead	

* Specific models charged in ROYPOW original chargers can achieve 2.5 hours of charging time.

Expenditures over 5 years	ROYPOW LiFePO ₄ battery	Lead-acid battery				
Battery cost						
Maintenance						
Electricity waste						
Installation						
Shipping						

Meet the Ideal Power Solutions

Whether counting on the vehicle for work, to play more rounds on the course, or to zip around your community, a reliable and high-quality battery is essential to power your ride and ensure a smooth uninterrupted experience.



100% Power. 100% Fun

ROYPOW lithium-powered batteries are the ideal choices to pair with the golf carts / LSVs / UTVs for top performance, consistently delivering sustained energy, marked by exceptional endurance and stability and ensuring you can always harness your golf cart potential to the fullest.



Last Longer



Go Further



More Fun



Efficient and Powerful

- ✓ High sustained power without the voltage drop at the end of the cycle
- ✓ As fast as 2.5 hours of charging time. No memory effect and charge any time
- ✓ Light weight for easier maneuverability and faster start-up speed



Zero Maintenance

- ✓ No gas or acid spills, avoids the space, equipment and running costs of a battery room and ventilation system
- ✓ No need for frequent time-consuming battery swaps
- ✓ No maintenance saves labor and maintenance costs. Lower total costs of ownership



Ultra-Safe

- ✓ Seamless enclosure and IP rated. No water or dust are getting in
- ✓ More thermal & chemical stability and reduced risk of thermal runaway
- ✓ Intelligent BMS for automatic cell balancing, advanced battery management, and multiple protections



Long-Lasting. Long Runtime

- ✓ With up to 10 years design life and over 4,000 cycles
- ✓ Each unit is designed based on automotive-grade manufacturing standards
- ✓ Hold charge for 4 months

! ROYPOW batteries hold a charge from 4 to 8 months based on different products and weather conditions.



Give Extra Edges for Enjoyable Golfing

Note: ROYPOW offers standard and customizable power solutions to meet your specific requirements and fit more leading golf cart / LSVs / UTVs.



Eco-Friendly

Non-toxic and non-polluting.
Good to you and the planet.

High Compatibility

36 V, 48 V, and 72 V batteries for various golf cart models.



5 Years of Full Replacement Warranty*

Extended warranty for greater peace of mind.

* ROYPOW provides a full replacement service if the battery cannot be fixed.

L Series

Elevate your everyday ride with lithium-ion

Meet the ROYPOW L Series batteries that upgrade your golfing journey, providing the hassle-free experience they increasingly demand: longer lifespan, extended range, freedom from daily maintenance, and a guaranteed lifespan of 10 years.

Zero

Maintenance

5 YRS
Warranty

Fast

Charge

Integrated
Double Fuses

Over

4,000

Cycle Life

High

Discharge Current

*Specific models charged in ROYPOW original chargers can achieve 2.5 hours of charging time.

S51100L + S38100L

New 

Industry's first lithium golf cart battery with CTP design

IP

Ingress Rating

> 1 Year Storage
When Fully Charged

✓ **SoC Meter with Bluetooth Function**

Monitor the battery SoC, voltage, and current through the LED display and APP.

✓ **More Compact for Higher Compatibility**

Cell-to-Pack (CTP) technology ensures more compact batteries to fit more golf cart models.

10 Years

Design Life

> 4,000
Cycle Life

✓ **High Current Output**

Consistent high performance to support faster start-up speed and ensure more efficient driving.

6-level

Safety
Protection



Material Safety

Flame retardant UL94 V-0 materials.



Cell Safety

Automotive-grade cells from the global top 3 brands.



Manufacturing Safety

Smart and strict control across the manufacturing process.



BMS Safety

Self-developed intelligent BMS with multiple protections.



Pack Safety

Integrated fuse and passed 18 reliability and safety tests.



Safety Certifications

Cells certified to 10+ industry standards such as IEC62619 and UL1642.



Save Up to
70%
Expenses in **5** Years

P Series

More power for demanding riding applications

ROYPOW P Series batteries enjoy all the benefits of lithium technologies while giving extra power tailored for load-carrying utility vehicles, multi-seaters, and rugged terrain transport.

Whether you're navigating the great outdoors for hunting or conquering steep hills, the P Series guarantees an extensive range and unparalleled safety, redefining your expectations.

Zero
Maintenance

5 YRS
Warranty

Fast
Charge

Integrated
Double Fuses

Over
3,500
Cycle Life

High
Discharge Current

*Specific models charged in ROYPOW original chargers can achieve 5 hours of charging time.



High Discharge Current

For navigating steep inclines or accelerating with a substantial payload, the battery consistently outperforms in the most challenging environments.



Automatic Switch off

The automatic power-saving mode activates if the battery remains idle for over 8 hours, effectively reducing energy wastage.



Remote Switch

Unlike standard batteries located beneath the seat, the battery offers the flexibility to position the switch on the dashboard or any preferred location for your utmost convenience.



Save Up to
70%
Expenses in **5** Years

Technical Specifications

PART NO.	NOMINAL VOLTAGE (Rated Voltage)	Maximum Charge /Discharge Current	Continuous Charge /Discharge Current	AH (20HR)	"Dimensions (LxWxH)"	Approx Weight, kg	IP RATING
S38100LRXPOA (H01-1914)	36V(38.4V)	100A / 300A	30A / 100A	100	390 x 275 x 276 mm	47.5	IP67
S51100LRXPOA (H01-1565)	48V(51.2V)	100A / 300A	30A / 100A	100	389.6 x 275.1 x 270 mm	50.0	IP67
S5165L (H01-000203)	48V(51.2V)	55A / 195A	13A / 65A	65	460 x 278.5 x 260 mm	40.0	IP67
S51105L-B (H01-1097)	48V(51.2V)	105A / 250A	50A / 100A	105	490 x 334 x 234.5 mm	50.0	IP65
S51105L-G (H01-1287)	48V(51.2V)	55A / 315A	30A / 120A	105	460 x 334 x 251 mm	50.0	IP67
S51105P-N (H01-1421)	48V(51.2V)	100A / 300A	30A / 100A	105	565 x 330 x 240 mm	48.0	IP67
S51150A-A (H01-002154)	48V(51.2V)	40A / 350A	30A / 150A	150	800 x 360.4 x 218 mm	65.0	IP65
S51150P-AA (H01-002158)	48V(51.2V)	40A / 315A	30A / 150A	150	800 x 360.4 x 223 mm	66.0	IP65
S72150P-AA (H01-002161)	72V(76.8V)	55A / 315A	30A / 180A	156	960 x 446 x 217.5 mm	100.0	IP65

Charger for Golf Carts / LSVs / UTVs



1200CG Series
(Fan with Mesh Guard)



1200CG Series
(With Handle)



2000A Series

Charger for Golf Carts / LSVs / UTVs

Charge Easier, Faster, and Safer.

ROYPOW LiFePO₄ batteries should be charged with the ROYPOW chargers to deliver a fast charging experience, keep the best communication between the batteries and chargers, and ensure optimal battery performance for extended battery life.



Safe & Fast Charging

Charge safely. As little as 2.5 hours fast charging.



Intelligent Protection

Prevention against hot unplugging & plug-in, as well as arc discharge.



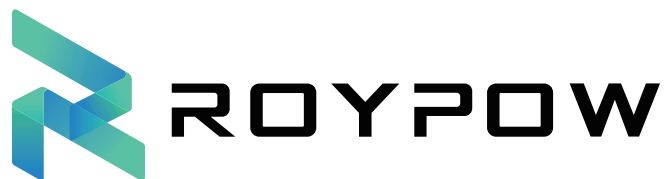
IP65 Rating

Protection against water, corrosion, dirt & mud.



Zero Maintenance

Built with high reliability and requires virtually no maintenance.



SuperCharge Batteries Pty Ltd
Email: info@supercharge.com.au
Tel: 1300 727 288
Web: www.supercharge.com.au
Add: 1A Reconciliation Rise, Pemulwuy NSW, Australia 2145