

RoyPow Batteries - Leading the Way in Lithium-ion Batteries for the Golf Car/LSV Industry



RoyPow's new industrial park in Huizhou, Guangdong, China

Revolutionizing the golf car battery industry with cutting-edge technology and unmatched expertise

In a world driven by renewable energy, RoyPow Technology stands at the forefront of innovation, offering state-of-the-art lithium-ion battery systems that are transforming the golf car industry. With over 20 years of combined experience in manufacturing renewable energy and battery systems, RoyPow has revolutionized the market with its advanced technology, exceptional quality, and unwavering commitment to customer satisfaction. This in-depth article explores how RoyPow's batteries differ from others on the market and the strategies employed to ensure the longevity and durability of their golf car batteries.

Founded in November 2016, RoyPow is pushing the boundaries of what's possible in lithium-ion battery innovations and achieved rapid growth and numerous milestones along the way. RoyPow adheres to allocating more than 6% of its annual revenue to R&D in the field of new energy innovation and has built up a professional R&D team of over 100 engineers led by PhDs, with an average of over 20 years of experience in power electronics, battery management systems, and energy storage inverters. The R&D team has been dedicated to new energy system solutions, covering from power electronics, battery state-of-charge algorithms, and system hardware and software design, to the battery module and battery pack design and testing.

Prioritizing innovation and quality, RoyPow promises to meet and exceed international and North American standards for the best performance, reliability, and safety. RoyPow has obtained 77 patents, awards, and comprehensive IP protection systems. The powerful R&D



RoyPow LiFePO4 batteries for golf cars

and manufacturing capabilities outshine the company, gaining wide recognition in the market and solidifying its foothold with a leading market share as the first supplier and pioneer of automotive-grade lithium batteries that RoyPow is always proud of.

Despite the achievements, the R&D team will adhere to the principle of Innovation and Quality First and aim to create greater value for users through industry-leading product innovations and a rigorous quality assurance system.

For decades, lead-acid batteries took the center. As the global market for electric automobiles and their growing acceptance of electric golf cars for versatile uses have witnessed a major increase, lead-acid batteries make way for the game-changer, lithium-ion batteries.

The advantages of lithium-ion batteries are many, from robust discharge, stable voltage curves, faster lifting and travel speeds to a lower cost of ownership. With a significantly longer service life, up to 2-5 times that of lead-acid batteries, lithium-ion batteries provide cost-effective and sustainable solutions for customers. Fast charging, maintenance-free operation, environmental friendliness, wider working temperature ranges, and superior performance make them the ideal choice for individuals and businesses seeking reliable and efficient power solutions.

RoyPow pioneered the transition from lead-acid to lithium-ion batteries as well as from fossil fuels to electricity. The company employs automotive-grade CELLS, BMS, and other accessories and offers various solutions, including low-speed vehicle batteries for golf cars, covering all living and working situations. RoyPow is the industry's first supplier to offer a batch of 72V - 200Ah automotive-grade lithium-ion batteries to LSV (Low-Speed Vehicles) and UTV (Utility Task Vehicles).

In the pursuit of unparalleled quality and reliability to power up golf cars, the company has adopted the LiFePO4 chemistry in its batteries which outperform other sub-types of lithium-ion solutions in all aspects. Featuring a design life of up to 10 years, a 5-year warranty, fast charging capabilities, lightweight construction, extended charge holding time, easy installation and a range of battery options to suit different vehicle types, RoyPow's LiFePO4 batteries stand as a stable and long-lasting powerhouse.

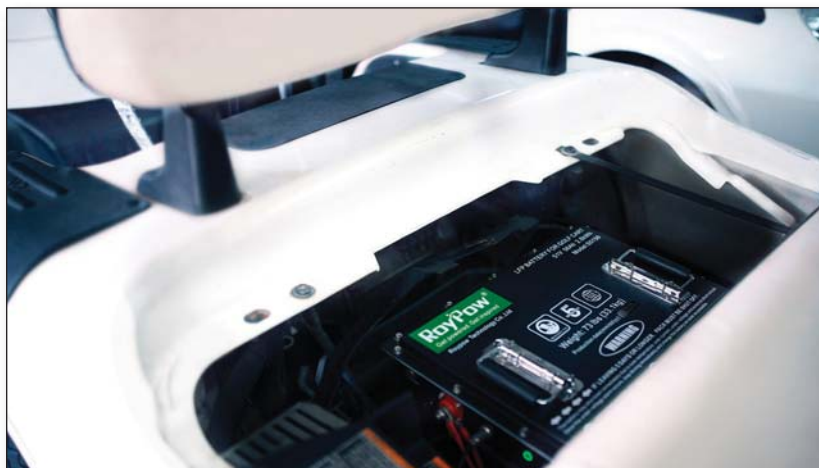
Moreover, RoyPow LiFePO4 batteries boast the highest level of safety with more chemical and thermal stability and built-in multi-level protections from water filling, acid spills, corrosion, or contamination to avoid damage to the batteries themselves and danger to users' safety. All these contribute to zero daily maintenance and reduced costs, making the transition from lead-acid batteries to lithium-ion batteries seamless and hassle-free.

RoyPow continues to improve. The latest-gen RoyPow S51105L battery has stepped further with large 230A continuous discharge current, max. 250A discharge current, and 700A peak discharge current for higher acceleration and faster speed. Without a doubt, it's a worthwhile investment for

golfers who can make over time to enjoy their courses and leisure drives.

While constantly refining its battery systems and exploring new applications to stay at the forefront of the lithium-ion battery industry, the company remains committed to expanding its global footprint. RoyPow has established a worldwide network with a

manufacturing center in China and subsidiaries in the USA, Europe, the UK, Japan, Australia, and South Africa, successfully established partnerships with numerous renowned brands, and supplied over 700 golf car dealers. To support operations and provide localized services, RoyPow has established three branches strategically located in Texas, Florida and California. The California location serves as the main entry point, warehouse and service hub in the USA. RoyPow's new industrial park



RoyPow LiFePO4 battery mounted in golf car

spanning over 1.3 million square feet, featuring a new R&D center and manufacturing center, will be completed in July of this year to better support its innovation, marketing, and expansion strategies.

All of these efforts underscore its success in the marketplace. The global sale and service network systems allow the company to ensure a seamless supply chain, timely availability, hassle-free after-sale services and fast-response technical support for golf car owners looking to upgrade their power solutions, from which the company maintains its position as a trusted and preferred choice for golf car battery needs.

Looking ahead, with an unwavering dedication to quality and reliability, RoyPow Technology is poised to continue driving the energy revolution and creating a brighter, more sustainable future for all as a pioneer and trailblazer in the lithium-ion battery market. As RoyPow continues to grow and expand its reach, its impact on the energy landscape will undoubtedly be profound, cementing its position as a leader in the new energy revolution.

For more information and inquiry, please visit www.roypowusa.com or contact sales@roypowusa.com.



Various RoyPow LiFePO4 batteries for different golf car models