



# 12v lithium batteries for campers

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All LithiumPRO batteries use the latest level Bluetooth 5.0 technology to pair with your smart device. This enables you to monitor the health and state of charge of your battery in *Real-time*; on the move. Our intelligent LiFePO4 Lithium leisure batteries are embedded with advanced SMARTIQ Technology, which brings battery monitoring to the palm of your hand. No more costly battery monitors or wiring of complex shunts. Just download our SMARTIQ BMS APP to monitor your batteries performance whilst on the move.

We've designed an Intelligent Lithium Leisure battery that talks to you; No more expensive battery monitors installations or complex wiring of old fashioned shunts; Track your battery status from the palm of your hand with SMARTIQ

At Lithium Pro Energy, we take immense pride in our engineering excellence and are eager to showcase it. Unlike other brands, we wholeheartedly invite you to explore the inner workings of our batteries. In fact, we have gone a step further and prepared a video to enable you to review the contents of our products.

In our latest range, we have introduced a brand new battery case for our entire range of Intelligent SMARTIQ SERIES batteries, making them fully serviceable. No longer do you need to break open hermetically sealed cases to repair or service them. We have designed them to be easily accessible, ensuring they can be serviced if required or even upgraded as technology advances. As BMS technology evolves stay rest assured, you won't be left behind. Our batteries are future-proof, ready to adapt to the future.

The short exploded video showcases our SMARTIQ SERIES ARCTICXTREME 150ah Lithium battery, with UL Listed, Grade-A, Prismatic Cells and self-heating technology that enables the battery to be charged in sub zero climates down to -20c enabling uninterrupted use.

When choosing a 12v lithium leisure battery for your application whether that be a motorhome, boat, caravan, or campervan you should carry out some market research on the brands available. There are many new lithium batteries flooding into the UK market and with enticingly cheap price tags. It is hard even for us, sometimes, to tell the difference of which are quality products and what are cheap copies. Many of the Chinese imports are a give away with their wacky branding and strange brand names.

Many importers are still selling the old style LiFePO4 cylindrical celled batteries. The vast majority are not traceable to the factories that produced them. Consequentially, you have no idea when the cells were manufactured or what Grade cells are being used inside, let alone if they were ever certified to any form of safety standard post production. All LithiumPro cells are certified to stringent, UL standards, UL1973, UL1642 ensuring they meet both safety and performance standards for use in vehicles as auxiliary power systems.

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The newer Prismatic celled battery assemblies such as the ones we use in all of LithiumPro batteries are manufactured by EVE. Their cell Quality and Grade are traceable to the date and place of manufacture using a QR code system engraved into each cell. Each cells also carries UL1973 certification to demonstrate a safety compliance at cell level.

Furthermore, as part of our quality control process, each battery undergoes a complete charge and discharge cycle before leaving our factory. This meticulous procedure ensures that every battery delivered to you is in optimal condition and ready to perform at its best.

As of 2023, China dominates the global lithium production market, controlling approximately 70% of the industry. Lithium batteries worldwide utilize the same chemistry to achieve remarkable advancements in energy density and battery performance. However, it is crucial to recognize that the design, production, testing, and quality control processes can significantly vary among manufacturers

The quality of critical components within the battery, such as the BMS (Battery Management System), is of paramount importance in ensuring the battery operates safely within defined parameters. These aspects of quality control play a vital role in determining the longevity, performance, and safety of our products.

At Lithiumpro Energy, we prioritise attention to detail during the design and manufacturing stages, we implement stringent quality control procedures throughout the production process ensuring all our components are high quality. We only use Grade A &#8216;traceable&#8217; LiFePO4 cells. This commitment to excellence guarantees that there are no compromises when it comes to the quality and reliability of our batteries.

Contact us for free full report

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