

## SolarTech Power Solutions

# Where to buy lithium battery outdoor power supply in the UK



## Overview

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Are there cheap lithium batteries in the UK?

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 cheaply manufactured products with no certification. Many of the Chinese imports are a give away with their wacky names and branding.

How do I choose a 12V lithium leisure battery?

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.

Are lithium leisure batteries safe?

Lithium leisure batteries exhibit a low self-discharge rate of less than 3% per month. This means that you can store them for extended periods without the need for frequent charging. Unlike lead acid batteries, Lithium does not emit harmful TOXIC gases during charging or discharging.

Can a 12V lithium leisure battery discharge 100%?

A 12v lithium leisure battery can discharge 100% using all its stored energy. Whereas if you discharge conventional deep cycle lead acid batteries below 50% it causes permanent cell damage, resulting in reduced cycle capacity. Our batteries have undergone rigorous sign-off tests to pass UKCA, CE, ROHS, RED and UN38.3.

Does a lithium leisure battery require maintenance?

Unlike with lead acid, a lithium leisure battery does not require any maintenance. Lithium is capable of being fast charged at rates above 1C. Meaning a 100ah lithium battery can be charged in as little as 1hour if your

charger is capable.

Can lithium LiFePO<sub>4</sub> batteries be recycled?

All lithium lifepo<sub>4</sub> batteries can be recycled and do not contain any dangerous gases or sulphuric acid. With a cell cycle capacity of upwards of 4000 -8000 cycles at a 80% depth of discharge means if used daily and cycled to 80% of its capacity it will provide up to 11-21 years of continuous power.

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### Contact Us

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