

SolarTech Power Solutions

Lithium iron phosphate battery pack in Manchester UK



Overview

What is a lithium phosphate battery?

Eco Tree is the UK market leader in lithium iron phosphate battery technology. Lithium iron phosphate (LiFePO₄) technology results in a battery cell that allows the most charge-discharge cycles. Also, unlike lithium-ion battery technology, LiFePO₄ prevents possible fire risks and explosions caused by overheating.

What is lithium iron phosphate (LiFePO₄)?

Lithium Iron Phosphate (LiFePO₄) batteries have a nominal voltage of 3.2V and are an excellent solution for applications requiring a lightweight, high capacity battery with a long lifespan and stability at high temperatures. Lithium Iron Phosphate is based on Lithium-Ion chemistry.

How long does a lithium phosphate battery last?

Shipping calculated at checkout. [10 Year Lifetime]: ECO-Worthy lithium iron phosphate battery (LiFePO₄) can be recharged more than 4000 times in a deep cycle to achieve a longer cycle life. More than 8 times higher than lead-acid batteries (generally only 300-400 cycles can be charged).

What is a LiFePO₄ battery?

The batteries has a high level of safety through the use of cylindrical cells in lithium iron phosphate (LiFePO₄) technology and are ready to use, have built-in battery management and offer more than doubled capacity to half weight and fullness. Transport approved, CE, RoHS and UN38.3 certified.

Are eco tree lithium batteries safe?

Eco Tree Lithium batteries provide more than 2000 × 100% deep discharge cycles and will still perform at a minimum of 70% of its rated capacity after that. We offer a manufacturer's warranty covering defects in battery cells for 10 years. Lithium Phosphate (LiFePO₄) battery technology is the safest

available.

Who makes custom battery packs?

At Enix Power Solutions, we have been building custom battery packs over the last 10 years using cells from leading Lithium Iron Phosphate battery manufacturers such as K2 Energy and A123. We also offer our own range of reliable LiFePO4 cells under the NX brand: Max. Continuous Discharge Current

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Lithium Iron Phosphate LiFePO4 Battery Manufacturer UK , UltraMax Batteries

Lithium Iron Phosphate LiFePO4 battery manufacturer in the UK. High quality, flexible customization, lithium iron

phosphate LiFePO4 batteries designed and manufactured in the UK

Lithium Iron Phosphate Batteries

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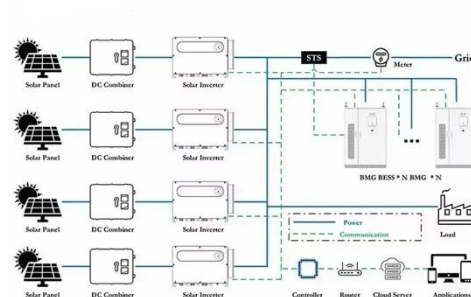


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DIY LiFePO4 Battery Pack: Step-by-Step Guide (2025 Update)

Apr 18, 2025 · How to Build a LiFePO4 Battery Pack: DIY Guide with Expert Tips (2025) Why Build a LiFePO4 Battery Pack? LiFePO4 (Lithium Iron Phosphate) batteries dominate ...



How Do Lithium Iron Phosphate Battery Packs Work and ...



Lithium iron phosphate (LiFePO₄) battery packs are a type of rechargeable battery known for their safety, longevity, and environmental friendliness. They operate by transferring lithium ions ...

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