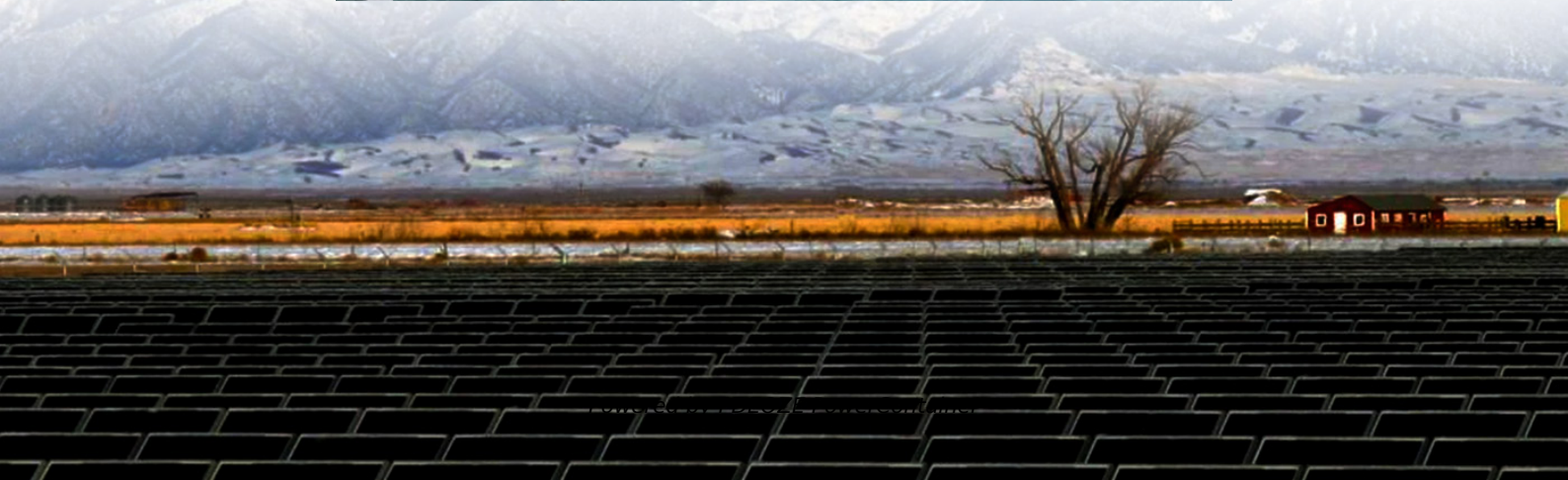


PDEOZE PowerContainer

Lithium iron phosphate outdoor communication power supply BESS



Overview

Designed with advanced Lithium Iron Phosphate (LFP) battery technology, our units provide an 8000+ cycle lifespan with a 10-year warranty, ensuring long-term durability and operational stability. What is lithium iron phosphate (LFP)?

Lithium iron phosphate (LFP) is becoming common as a lower-cost alternative in energy storage systems (ESS) and mass-market electric vehicles. Lithium ions leave the cathode when charging and return during discharge. material in lithium-ion batteries in battery energy storage systems (BESS).

Why should you choose a Bess battery system?

Maximize safety & ROI. Individual pricing for large scale projects and wholesale demands is available. This system adopts the outdoor container BESS system, which contains high quality LFP battery cells, intelligent battery management system and the group technology.

What is a Bess battery?

Several combinations of PCS and battery system establish the whole BESS. The LiFePO₄ Battery cell, the basic unit of lithium iron phosphate battery, consists of positive, negative electrodes and electrolyte, with rated voltage of 3.2V and rated capacity of 280Ah.

Which cathode material is used in lithium-ion batteries?

In recent years, LFP (lithium iron phosphate) has become the dominant choice for cathode material in lithium-ion batteries in battery energy storage systems (BESS). There are several reasons why LFP has risen to the top among different lithium-ion battery cell chemistries. Cathode is the positive electrode of a battery.

What is a 1p52s battery module?

One battery module consists of a number of cells in a manner of 1P52S, with rated voltage of 166.4V and rated capacity of 280Ah. The battery module and

BMS adopt unified standard modular design to ensure the universality of the system. Flexible configuration, multiple battery modules can be in serial for expanding voltage and capacity.

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AZE's lithium battery energy storage system (BESS) is a complete system design with features like high energy density, battery management, multi-level safety protection, an outdoor cabinet with a modular design. IP55 ...

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