

Kongres Container

Nepal lithium iron phosphate energy storage battery cabinet solution



Overview

What is a lithium iron phosphate (LFP) system?

The Lithium Iron Phosphate (LFP) system is equipped with a Battery Management System (BMS) and a 768V 280Ah lithium battery. The PCS provides a 400V three-phase AC output at 100KW for outdoor commercial and industrial (C&I) installations.

What is a LiFePO4 battery?

The LiFePo4 battery is known for its long life, thermal stability, and safety. It provides a robust energy storage solution capable of handling high power demands. The integrated BMS ensures optimal performance and safety of the battery system.

How does a lithium-ion battery system save energy?

The project involved installing a lithium-ion battery system with a capacity of 430 kWh. The system operates with two charges and two discharges per day, allowing for a total of 800 kWh of energy transfer daily. This setup saves the factory \$2,770 per month in electricity costs, translating to an annual saving of \$30,550.

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