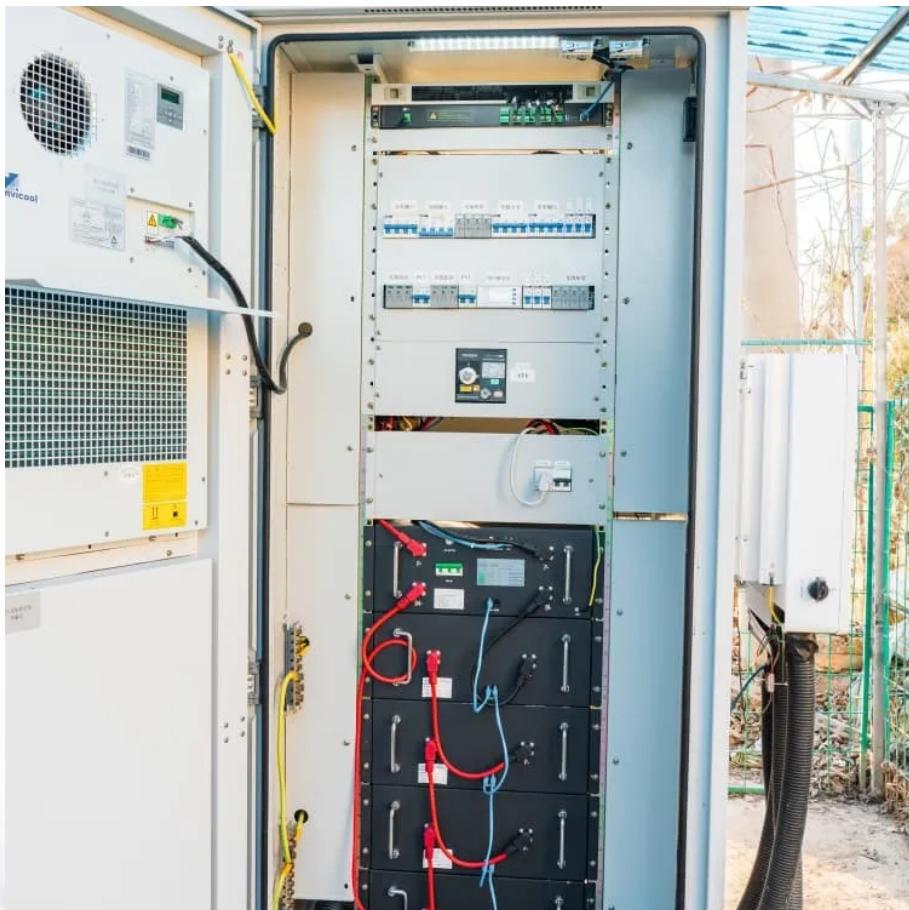




BUHLE POWER

Lithium iron phosphate battery specifications for 5g base stations





Overview

What is lithium iron phosphate chemistry?

Superior Safety: Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation. **Increased Flexibility:** Modular design enables deployment of up to four batteries in series and up to ten batteries in parallel. Max. Charge Current Continuous Current Max.

Are lithium iron phosphate batteries safe?

Lithium iron phosphate batteries are less prone to thermal runaway even if damaged or improperly charged, and they have a longer cycle life. It is advised to use positive electrodes made of high-end lithium iron phosphate for high-quality lithium batteries as also required in ITU-T standard, Recommendation ITU-T L.1210. 3 2.

What are the safety requirements for lithium batteries?

The safety requirements for lithium batteries need be high, and the environmental conditions at telecom sites are complex such as being prone to crush, electromagnetic interference, large temperature variations, high humidity, and biological invasion.

How to ensure a stable operation of lithium batteries?

To ensure the stable operation of lithium batteries, comprehensive, all-scenario tests shall be conducted, and lithium batteries shall pass various internationally recognized certification. See Recommendation ITU-T L.12216, which contains a description of information on possible stress tests and results. 4.



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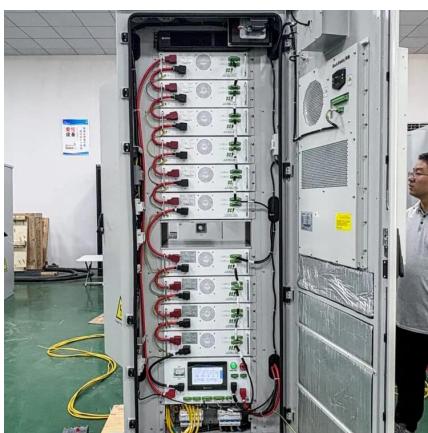


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