

## ContainerPower Energy Solutions

# Belarusian communication base station battery indoor

**LFP 12V100**



## Overview

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A 12V 30Ah LiFePO4 battery can provide a reliable power source without taking up excessive space, making it suitable for both indoor and outdoor base stations. What makes a telecom battery pack compatible with a base station?

**Compatibility and Installation Voltage Compatibility:** 48V is the standard voltage for telecom base stations, so the battery pack's output voltage must align with base station equipment requirements. **Modular Design:** A modular structure simplifies installation, maintenance, and scalability.

Which battery is best for telecom base station backup power?

Among various battery technologies, Lithium Iron Phosphate (LiFePO4) batteries stand out as the ideal choice for telecom base station backup power due to their high safety, long lifespan, and excellent thermal stability.

How do you protect a telecom base station?

Backup power systems in telecom base stations often operate for extended periods, making thermal management critical. Key suggestions include: **Cooling System:** Install fans or heat sinks inside the battery pack to ensure efficient heat dissipation.

Should telecommunication operators invest in a telecom battery backup system?

Investing in a telecom battery backup system is always one of the priorities for telecommunication operators in the 5G era. Sunwoda 48V telecom batteries have a capacity covering 50Ah-150Ah, which can easily meet the power backup needs of macro and micro base stations.

What is a battery management system (BMS)?

**Battery Management System (BMS)** The Battery Management System (BMS) is the core component of a LiFePO4 battery pack, responsible for monitoring and

protecting the battery's operational status. A well-designed BMS should include: Voltage Monitoring: Real-time monitoring of each cell's voltage to prevent overcharging or over-discharging.

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