

SolarTech Power Solutions

Solar Communication Base Station Battery Instructions



Overview

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.

How do I install a battery module?

We recommends installing battery modules in the upper shelves first and proceeding to the bottom. The battery can be mounted on a standard 19 inches cabinet or rack. Battery modules can be inserted into a rack frame according to the customer battery configuration scheme. 5. Cable Connection.

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.

What should I do if my sun battery is polarized?

Reverse polarity at the battery terminals will void the Warranty and destroy the batteries. Do not short circuit the batteries. Do not combine SACRED SUN Lithium Batteries with other brands or chemistries; Do not mix Lithium Batteries from different installations, clients, or job sites. Do not disassemble or modify the battery.

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Contact Us

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