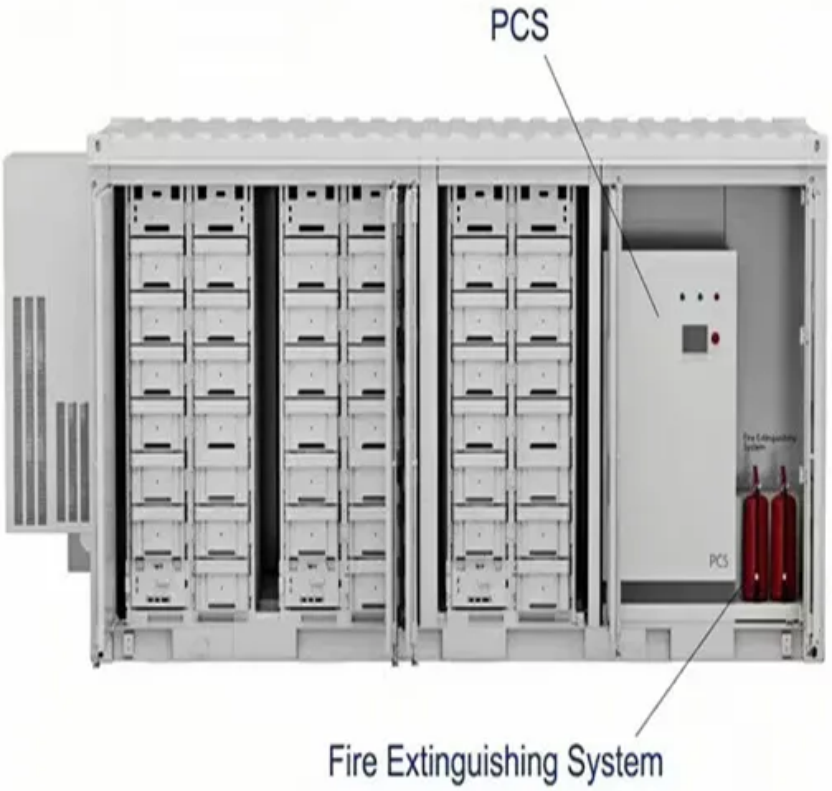
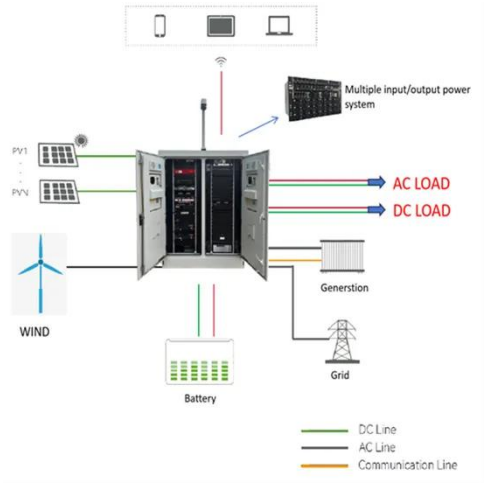
How much is the discharge current of the communication base station battery



Overview

A 12V 30Ah LiFePO4 battery has a nominal voltage of 12V and a capacity of 30 ampere - hours (Ah). The required battery capacity for a 5G base station is not fixed; it depends mainly on station power consumption and backup duration. Core Formula: Required Capacity (kWh) = Peak Power Demand (kW) × Backup Hours (h) Example: · Station Type & Power Consumption: Macro stations consume 15–25kW. These factors collectively make communication batteries for base stations a highly specialized and mission-critical component. Key Requirements: Capacity & Runtime: The battery should provide sufficient energy storage to cover potential 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. 45V output meets RRU equipment.

How much is the discharge current of the communication base stati



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Can a 12V 30Ah LiFePO4 battery be used in a communication base ...

A typical lead - acid battery may last for 300 - 500 charge - discharge cycles, while a LiFePO4 battery can withstand 2000 - 5000 cycles or even more, depending on the usage conditions.

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Battery discharge of communication base station

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