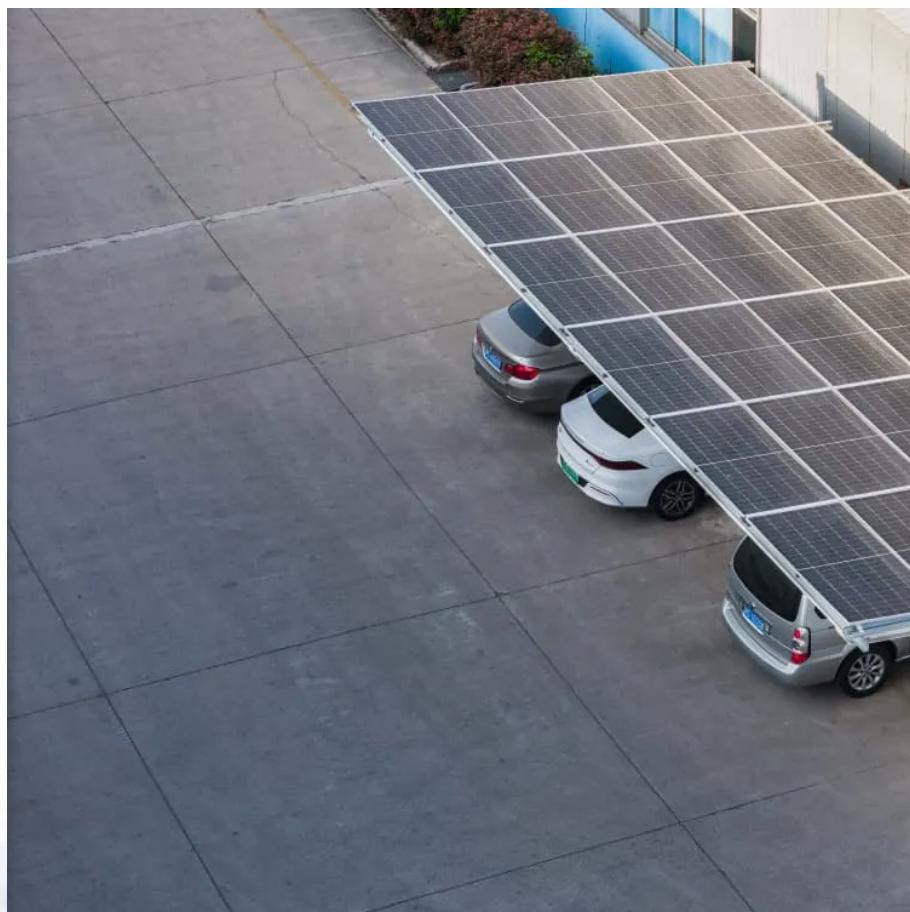




LLSE CONTAINERS

How much is the discharge current of the base station battery





Overview

5G Macro Station: Continuous discharge up to 500A. Urban Small Cell: Peak discharge up to 150A. What does discharge rate mean on a battery?

The discharge rate indicates how quickly a battery can safely deliver energy. Like the charge rate, it's expressed as a multiple of the battery's capacity. 1C Discharge Rate: Discharging a 2000mAh battery at 2000mA. 2C Discharge Rate: Discharging the same battery at 4000mA.

What percentage of a battery should be discharged?

Shallow Discharge: Using only 20-30% of the battery's capacity. Deep Discharge: Using 80-100% of the battery's capacity. Deeper discharges can shorten the battery's lifespan. For example, a battery cycled at 80% DoD may last only 500 cycles, while the same battery cycled at 20% DoD could last 2000 cycles.

What are the discharge characteristics of Li-ion batteries?

You encounter the discharge characteristics of li-ion batteries every time you design a battery pack. These characteristics describe how voltage drops during discharge, how a flat discharge curve supports stable power, and how current, temperature, and chemistry shape performance.

What is a standard discharge rate for a lithium ion battery?

For 3.6/3.7V lithium-ion batteries, the International Electrotechnical Commission (IEC) specifies a "standard discharge rate"- 0.2C. This means that at $20\pm5^{\circ}\text{C}$ and with a cutoff voltage of 2.5V, discharging at 0.2C will measure the actual capacity of the battery.



How much is the discharge current of the base station battery

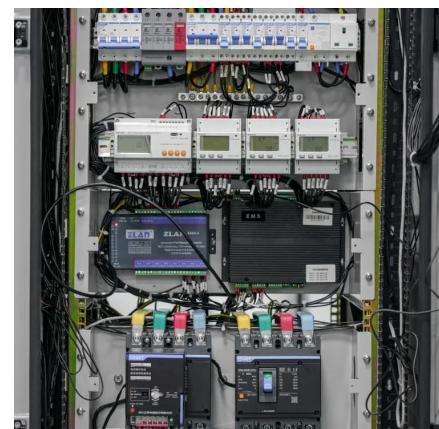


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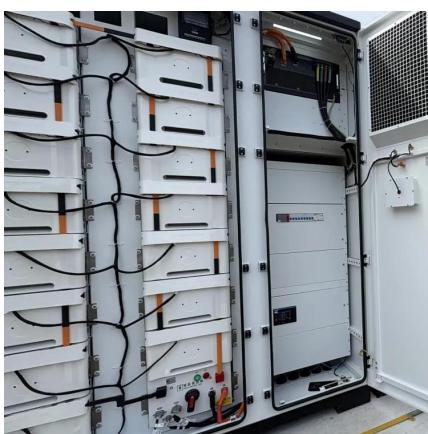
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