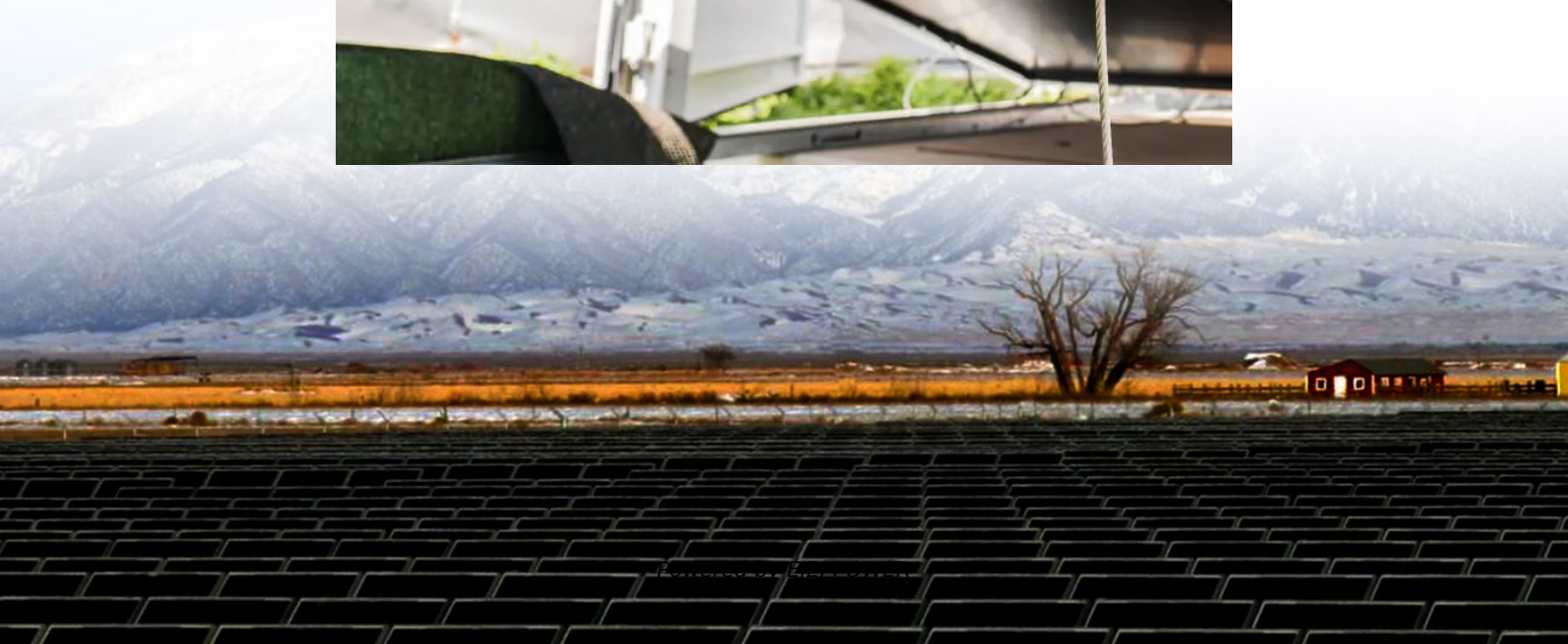


How to use the backup lithium power supply of the base station





Overview

What is a lithium battery backup power supply?

Compared to traditional lead - acid batteries, lithium batteries have a much higher energy density. This means that for the same physical size and weight, a 48V 100AH lithium battery backup power supply can store more energy.

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.

Why do cellular base stations have backup batteries?

[.] Cellular base stations (BSs) are equipped with backup batteries to obtain the uninterruptible power supply (UPS) and maintain the power supply reliability. While maintaining the reliability, the backup batteries of 5G BSs have some spare capacity over time due to the traffic-sensitive characteristic of 5G BS electricity load.

What is a backup power supply?

The core of the backup power supply is the lithium battery cells. In a 48V 100AH configuration, these cells are carefully selected and assembled. Lithium - ion batteries are commonly used due to their high energy density. The 100AH capacity indicates the amount of electrical charge the battery can store.



How to use the backup lithium power supply of the base station



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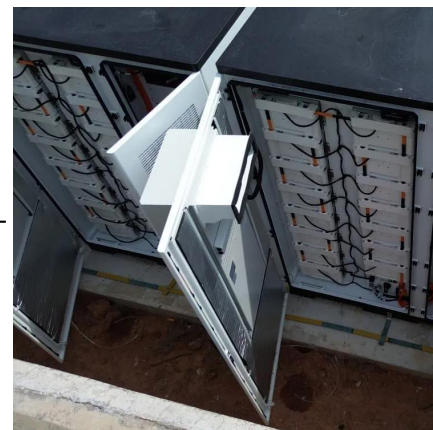


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