SolarInnovate Energy Solutions

Base station batteries buried underground

Overview

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.

Can a battery group be used as a backup power supply?

In practice, the battery groups (either traditional lead-acid batteries or emerging lithium ones) are deployed as the backup power supply of BSs. In our scenario, one battery group could be shared by multiple BSs nearby to exploit the statistical multiplexing gain, and the multiple BSs sharing the same battery group form a virtual cell (VC).

Should you replace lead-acid batteries with lithium batteries in power backup?

Replacing the traditional lead-acid batteries with lithium ones in power backup is one option and trend, as the latter uses more cost-efficient materials that is more reliable, efficient and space-saving .

Can a BS share a backup battery?

A naive solution is to equip each BS with an individual backup battery (group), while it is also the most expensive solution without taking any advantage of the BS deployment scenario. Considering the 5G heterogeneous network (HetNet) architecture with ultra dense small BS deployment, it is possible to share the backup power among multiple BSs.

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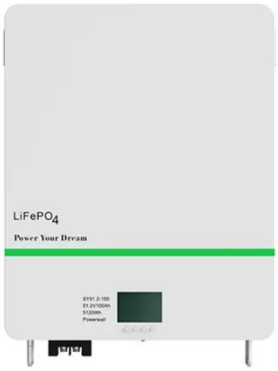

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Sep 5, 2017 · ????????????????? discussion on base station battery energy-saving technology and the application of buried battery.pdf 5?VIP

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