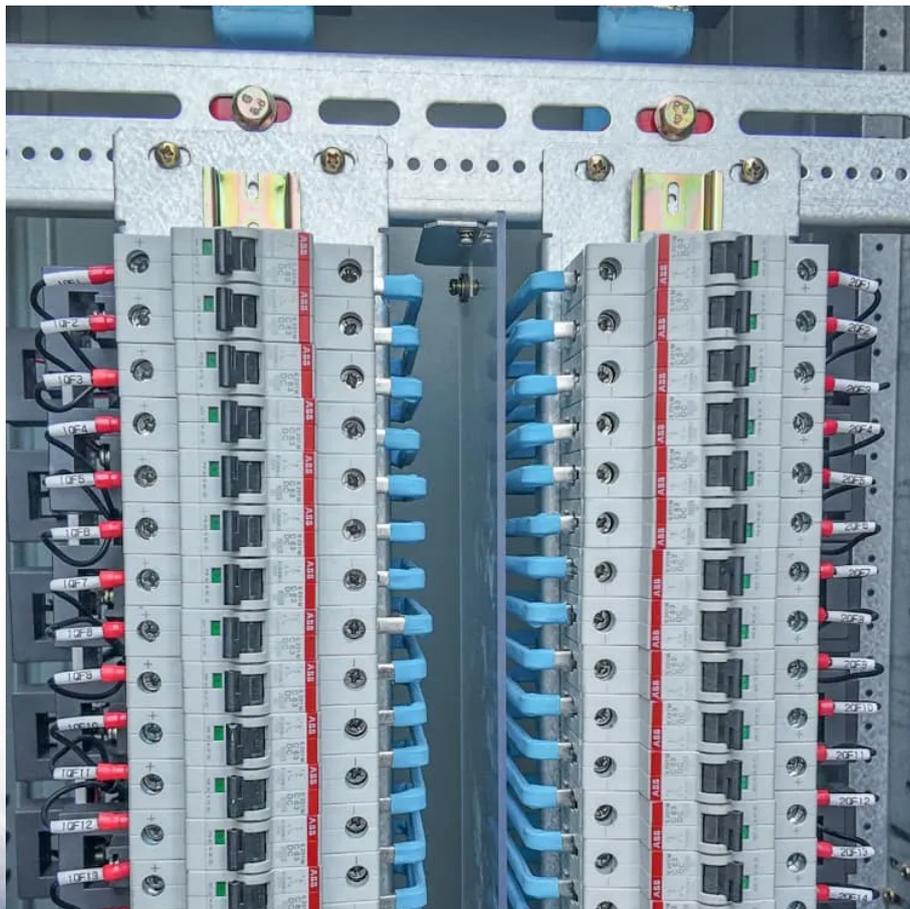


Rooftop solar container communication station lithium- ion batteries are 60 meters apart





Overview

What is a lithium battery?

Lithium batteries are CATL brand, whose LFP chemistry packs 1 MWh of energy into a battery volume of 2.88 m³ weighing 5,960 kg. Our design incorporates safety protection mechanisms to endure extreme environments and rugged deployments. Our system will operate reliably in varying locations from North America to sub-Saharan Africa.

What is the capacity of a CATL battery?

CATL serves global automotive OEMs. It is the global volume leader among Tier 1 lithium battery suppliers with plant capacity of 77 GWh (year-end 2019 data). Range of MWh: we offer 20, 30 and 40-foot container sizes to provide an energy capacity range of 1.0 - 2.9 MWh per container to meet all levels of energy storage demands.

What is the difference between a battery rack and a container?

The battery rack consists of the required number of modules, the Battery Management Unit (BMU), a breaker and other components. The container consists of the required number of the battery racks, as well as air conditioning and fire extinguishing equipment.

What are the characteristics of a lithium ion battery?

The lithium-ion battery has the characteristics of low internal resistance, as well as little voltage decrease or temperature increase in a high-current charge/discharge state.



Rooftop solar container communication station lithium-ion batteries



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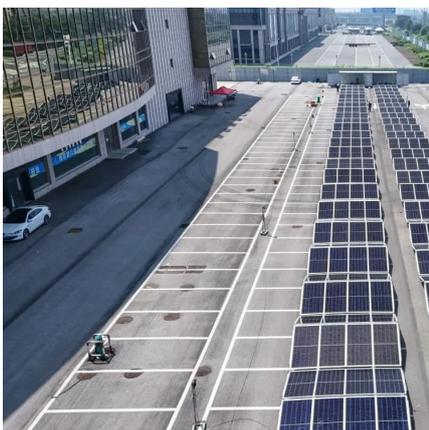
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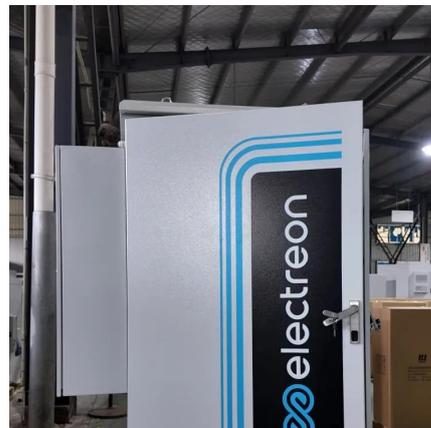
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