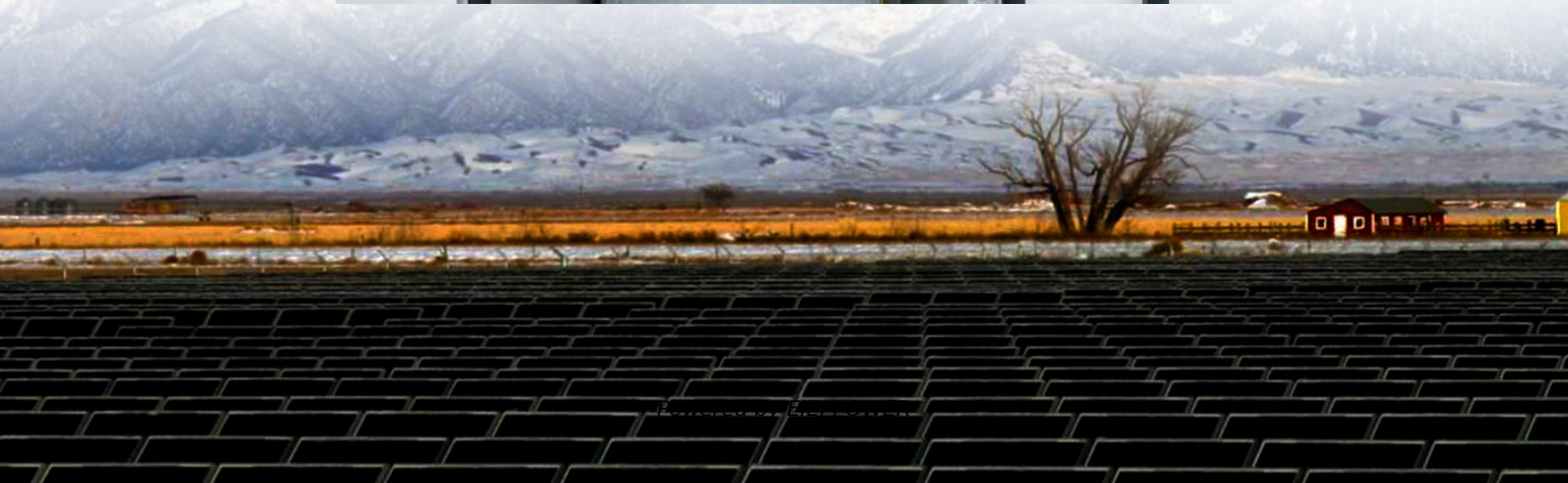


Shopping mall uses Kuwaiti energy storage containers for bidirectional charging





Overview

Why is bidirectional charging important for electric vehicles?

The flexibility of electric vehicles can be used by means of bidirectional charging in numerous applications to promote self-sufficiency, save costs and support the energy sector via grid and system services.

What is bidirectional charging?

Bidirectional charging describes the technology of not only charging an electric vehicle from the grid, but also feeding electricity back into the grid or to consumers. This is often referred to as Vehicle-2-Grid (V2G) or Vehicle-2-Home (V2H).

Could bidirectional battery storage re-use a large-scale battery storage capacity?

The additional use of this storage capacity for bidirectional charging could reduce the need for large-scale battery storage beyond the scope of the Electricity Network De-velopment Plan (NEP) and the associated costs and resource consumption.

Can bi-directional charging be a Mainstream Energy Solution?

Sigenergy is proud to be among the first to successfully implement bi-directional charging in a commercial setting. In partnership with NIO, a leading EV manufacturer in China, Sigenergy has demonstrated the viability of bi-directional charging as a mainstream energy solution.



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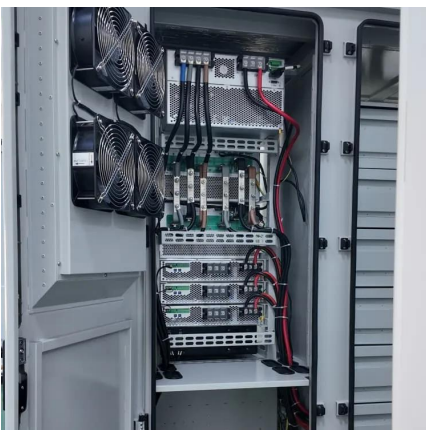


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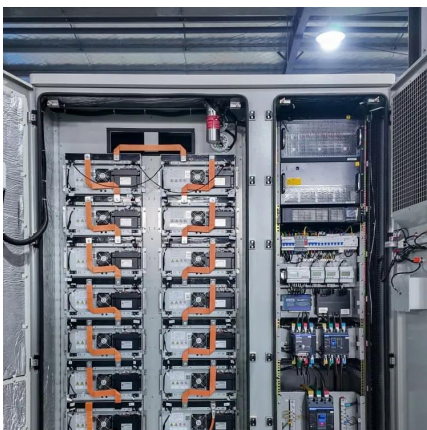
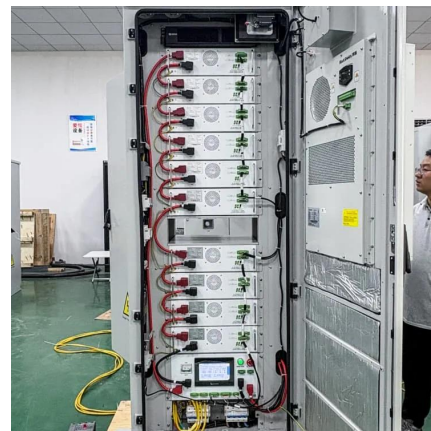


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