

A-Core Container

Outdoor Energy Storage Vehicle Combination Solution



Overview

Can bidirectional EVs be used as mobile storage?

In contrast to stationary storage and generation which must stay at a selected site, bidirectional EVs employed as mobile storage can be mobilized to a site prior to planned outages or arrive shortly after an unexpected power outage to supplement local generation or serve as an emergency reserve.

Can EVs be used for mobile storage?

Depending on the specific situation, this use of EVs for mobile storage can conserve the amount of energy that a site uses from the grid or aid in reaching carbon emission targets by maximizing the consumption of local and sustainable power generation.

Can bidirectional electric vehicles be used as mobile battery storage?

Bidirectional electric vehicles (EV) employed as mobile battery storage can add resilience benefits and demand-response capabilities to a site's building infrastructure.

What are V2B and V2G power solutions?

V2B and V2G power solutions can complement solar photovoltaic (PV) arrays and other distributed energy resources (DERs), or supplement diesel generators as backup power.

What is a V2G EV?

The V2G model employs the bidirectional EV battery, when it is not in use for its primary mission, to participate in demand management as a demand-side resource. Some utilities may provide a monetary incentive to a site for demand management or load reduction capabilities of their zero emission vehicle fleet.

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