



WALMER ENERGY

# **Bidirectional charging of Albanian mobile energy storage containers used in steel plants**





## Overview

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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.

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.

What is a bidirectional EV?

A bidirectional EV can receive energy (charge) from electric vehicle supply equipment (EVSE) and provide energy to an external load (discharge) when it is paired with a similarly capable EVSE.

What is a bidirectional vehicle?

Bidirectional vehicles can provide backup power to buildings or specific loads, sometimes as part of a microgrid, through vehicle to building (V2B) charging, or provide power to the grid through vehicle to grid (V2G) charging.



## Bidirectional charging of Albanian mobile energy storage containers

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