

**SolarTech Power Solutions**

# **Wandu Energy Storage Charging Station**



## Overview

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In 2019, New York passed the nation-leading Climate Leadership and Community Protection Act (Climate Act), which codified some of the most aggressive energy and climate goals in the count.

How can a battery energy storage system help a grid-constrained electric vehicle?

For another example, review the Joint Office of Energy and Transportation's (Joint Office's) technical assistance case study *Grid-Constrained Electric Vehicle Fast Charging Sites: Battery-Buffered Options*. A battery energy storage system can help manage DCFC energy use to reduce strain on the power grid during high-cost times of day.

How do battery energy storage systems help EV charging?

Battery energy storage systems can enable EV fast charging build-out in areas with limited power grid capacity, reduce charging and utility costs through peak shaving, and boost energy storage capacity to allow for EV charging in the event of a power grid disruption or outage.

What incentives are available to install electric vehicle charging stations?

Incentives to install Level 2 electric vehicle charging stations at workplaces, multi-unit dwellings, or public facilities. Federal tax credits for homeowners and businesses to install electric vehicle charging stations. State tax credits of up to \$5,000, or 50% of the cost, for businesses that install public or workplace electric vehicle chargers.

Can battery-buffered charging systems reduce power grid service needs?

An analysis by the National Renewable Energy Laboratory (NREL) shows that appropriately sized battery-buffered systems can reduce power grid service capacity needs by approximately 50% to 80% compared to a charging station that is powered entirely by the power grid, while offering an identical charging experience for motorists.<sup>1</sup>

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### Contact Us

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