

# Jordan Off-Grid Solar Container Bidirectional Charging



## Overview

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Abstract Unidirectional chargers, valued for their simplicity and cost-effectiveness, are widely deployed. In contrast, bidirectional chargers enable advanced functionalities such as Vehicle-to-Grid (V2G) and Vehicle-to-Home (V2H) but come with greater complexity, higher costs, and design. Winline Technology is proud to announce the successful commissioning of its first overseas “PV-Storage-Charging-DC-Flexible” smart microgrid station in Jordan. Constructed in collaboration with a local partner, with Winline providing the entire system's products and technical support, this project. We're talking about the difference between the two main ways to charge your EV at home: the straightforward, one-way street of unidirectional charging and the fancy, two-way highway of bidirectional charging. They're simpler. Transform your electric vehicle into an ultra-powerful storage system that can power your home with cheaper, cleaner energy for up to three days. It's the world's first CCS bidirectional charger. Why Quasar 2?

Save up to 1,000€ annually by using your own energy. Maximum. An off-grid solar system operates independently of the national electrical grid. It harnesses solar energy to generate electricity and stores excess energy in batteries for use during periods without sunlight, such as nighttime or cloudy days. This setup is ideal for locations where connecting to. Market Maturity Accelerates: 2025 marks the transition from experimental trials to commercially viable bidirectional charging solutions, with major automakers like GM, Ford, and Tesla committing to fleet-wide implementation by 2026, making this technology mainstream rather than niche.

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### Best Off-Grid Solar System Companies in Jordan

Off-grid solar systems offer a sustainable and reliable energy solution for Jordan, especially in remote and underserved areas. By investing in a high-quality off-grid solar system, you ...

### MOBIPOWER Battery Energy Storage Systems , Off-Grid Solar Container

These rugged, self-contained systems integrate large solar arrays, advanced battery storage, and high-capacity fuel cells -- with optional diesel redundancy when regulatory or client requirements demand it.



### Bidirectional EV Chargers Review

In this article, we review the Bidirectional EV chargers currently available or under development, used for both vehicle-to-grid (V2G) and vehicle-to-home (V2H) applications.



### Quasar 2: Our new bidirectional

## home EV charger , Wallbox

Save up to 1000EUR annually with Quasar 2 by charging your vehicle during off-peak hours and then using that energy to power your home during peak hours. By lowering your grid dependency, you can ...

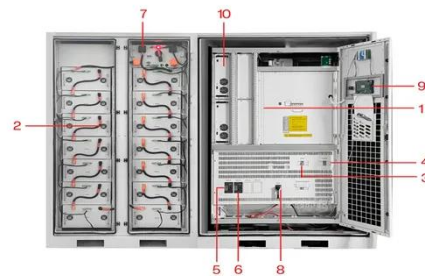


## The Complete Guide to Bidirectional EV Chargers (2025)

Whether you're looking to power your home during outages, reduce peak electricity costs, or participate in utility revenue programs, our integrated approach combines solar panels, ...

## EV Charging Jordan: Solar Homes, Costs, e TOU Impact

Can a bidirectional charger help you \*use\* your stored solar power (or even cheap grid power stored in your car) during those expensive peak hours? That's the puzzle this research aimed to solve.



- 1 PCS Module
- 2 Battery room
- 3 Grid side circuit breaker
- 4 Load side circuit breaker
- 5 OPV1 side circuit breaker
- 6 OPV2 side circuit breaker
- 7 High Volt Box
- 8 BAT side circuit breaker
- 9 LCD display screen
- 10 MPPT

## Impact of EV charging strategies on solar-powered residential ...

This aim of this research is to analyze unidirectional and bidirectional charging systems integrated with renewable

energy, from both economic and environmental perspectives.



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### **Winline Technology Commissions Jordan's First Integrated "PV ...**

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### **Base station using off-grid solar container for bidirectional ...**



Discover how to design, deploy, and benefit from off-grid EV charging stations with solar panels, battery storage, and smart controls for reliable, sustainable charging.

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