

## ContainerPower Energy Solutions

# New Energy AC External Discharge Inverter



## Overview

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Feature highlights: This New Energy Electric Vehicle Inverter External Discharge Gun is designed for outdoor portable power supply needs, featuring a 7kW output power and AC output current. How does a DC V2L inverter work?

DC V2L extracts power through the vehicle's DC charging interface, then converts DC to AC using an external inverter to supply power to electrical devices. The discharge power typically ranges from 2kW to 10kW. Currently, there are few products for DC V2L inverters, which tend to be expensive due to the use of high-end components like inverters.

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V2G (Vehicle to Grid) enables interaction between electric vehicles and the power grid.

How do I convert a battery pack to AC power?

For electric vehicles with a bidirectional OBC (on-board charger), it is possible to directly convert the DC power from the battery pack into AC power inside the vehicle. Users only need to purchase V2L discharge cables or adapters to obtain power from the car's AC charging port, providing 220V AC power at any time.

What is external power output?

The external power output feature enables electric vehicles (EVs) to supply electricity to external devices through a specialized interface. This capability allows EVs to act as portable power sources for various applications. What is V2G?

Vehicle-to-Grid (V2G) technology facilitates energy exchange between electric vehicles and the power grid.

Which EVs have bidirectional onboard Chargers?

Many EVs on the market today, such as Kia, Hyundai, BYD, and Cybertruck, come equipped with built-in bidirectional onboard chargers (OBC). These chargers make it easy for the vehicle to directly output AC power, allowing users to simply plug into the car using a basic power strip — no extra hardware or converters needed.

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