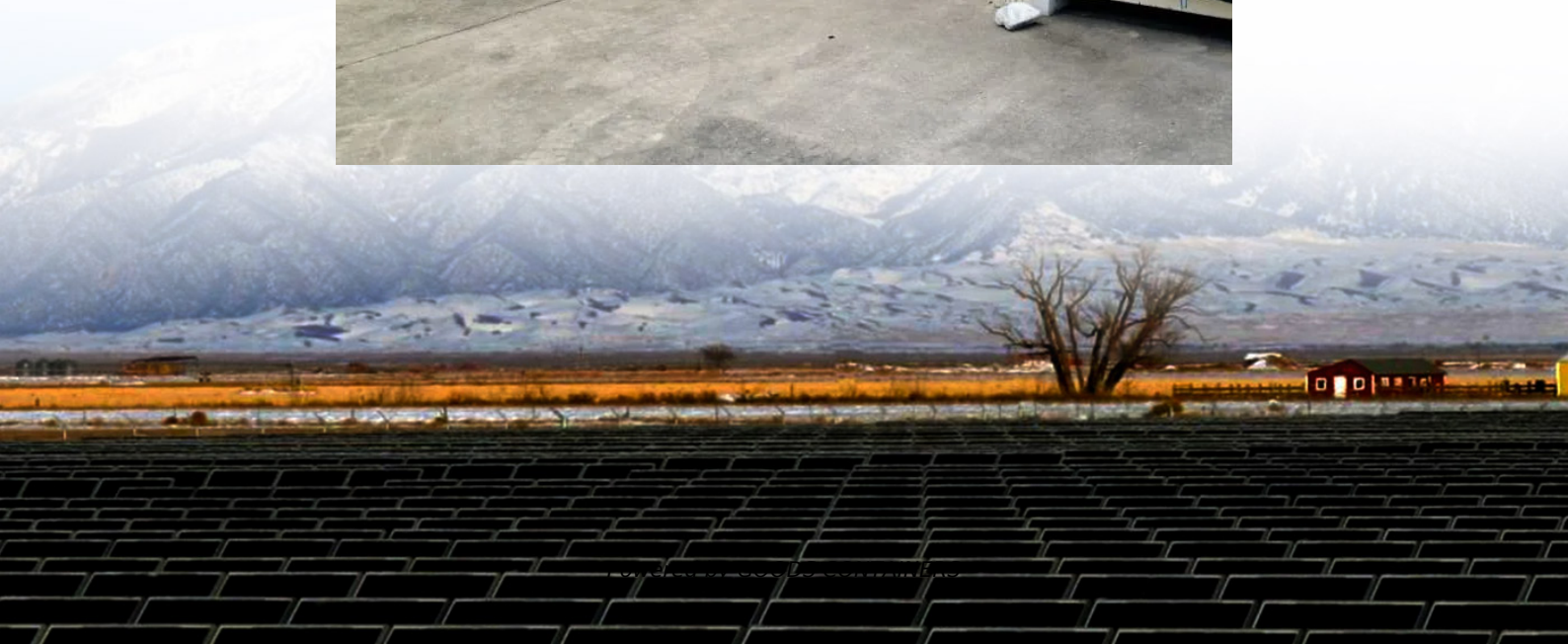


Use external power supply to discharge the new energy vehicle outside





Overview

What are the four main external power supply functions?

Today, we will explore the four main external power supply functions: V2L, V2V, V2H, and V2G. V2L allows electric vehicles to supply power to external devices, similar to a mobile power bank. This function is useful for camping, picnics, construction sites, and emergency power supply situations.

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.

Can electric vehicles discharge power?

As electric vehicles (EVs) continue to revolutionize transportation, one of their most innovative features – the ability to discharge power – is gaining significant attention.

Are EV discharge devices safe?

While newer EVs come equipped with built-in V2L capabilities, older models can still access discharge functionality through aftermarket solutions. However, users should exercise caution with third-party discharge devices, as they may not meet safety standards established by vehicle manufacturers.



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[Design of electric vehicle hybrid power supply discharge ...](#)

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[V2L, V2V, V2H, V2G: 4 Discharge Functions of New Energy Vehicles](#)

With the continuous advancement of new energy vehicle technology, cars are no longer just a means of transportation but also mobile energy storage units. V2X (Vehicle-to-Everything) ...



[Understanding V2G, V2H, V2L, and V2V Technologies](#)

Dec 13, 2024 · 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 ...

[Electric Vehicle Discharge Function: A Comprehensive Guide ...](#)

Vehicle-to-Load (V2L) technology represents a significant advancement in EV functionality, enabling vehicles to serve as mobile power stations. Leading manufacturers like BYD have ...



What is the use of the external discharge function for new energy

The external discharge function of new energy vehicles refers to the capability of the vehicle to output the stored electricity in its battery at a voltage of 220V, allowing the use of external ...



[V2L, V2V, V2H, V2G? A Guide to Four External Power Supply ...](#)

Nov 6, 2025 · The external power supply function enables new energy vehicles equipped with this capability to output stored electrical energy via a dedicated interface, thereby powering ...



China Manufacturer and Supplier of External Discharge Gun for New

Jan 26, 2024 · The external discharge gun for new energy vehicles is a game-changer. This innovative product is a convenient and efficient way to charge your electric vehicle without the ...





[5 Types of Electric Vehicle External Discharge Scenario](#)

Aug 5, 2025 · DC V2L connection diagram China's GB/T 18487.4-2025, "Electric Vehicle Conductive Charging and Discharging Systems - Part 4: Requirements for Vehicle External ...



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