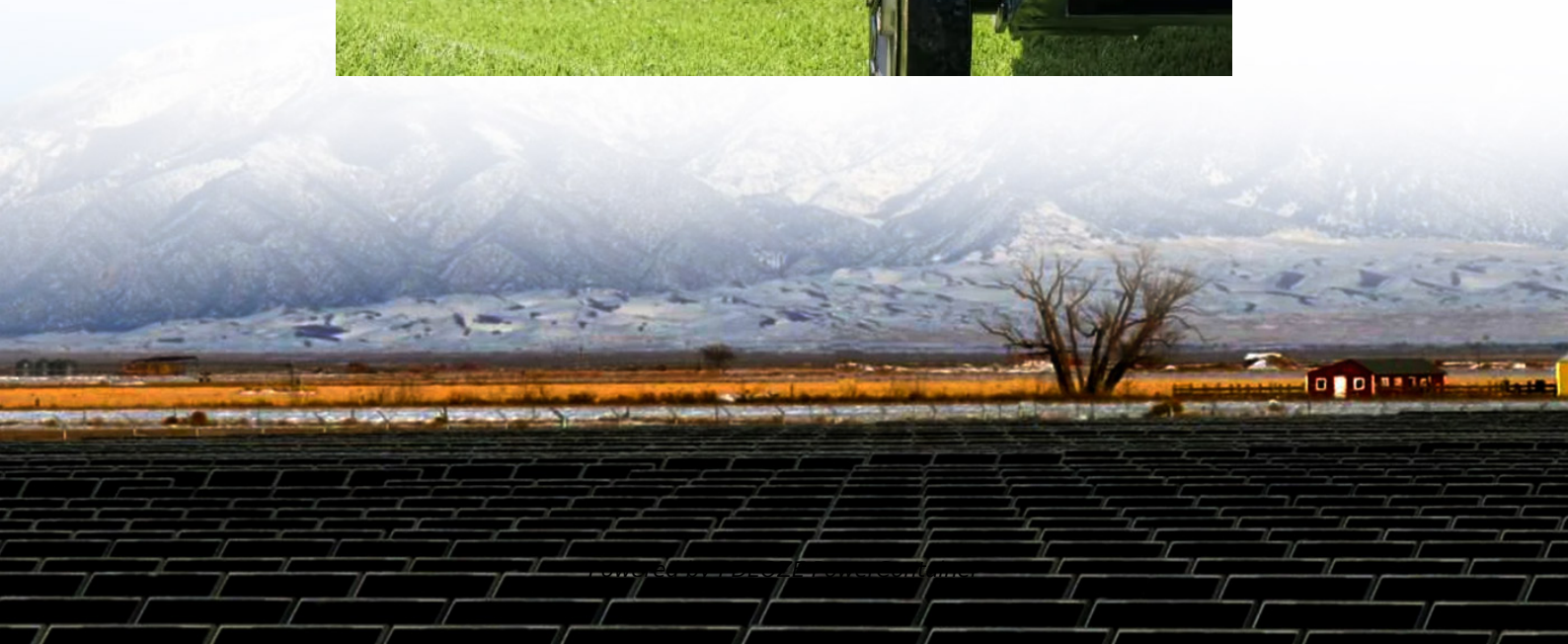


## **PDEOZE PowerContainer**

# **New energy storage charging and swapping station**



## Overview

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The station, jointly built by NIO and Hubei Chutian Expressway, adopts NIO's independently developed HPC bidirectional high-power liquid-cooled power module, with a peak efficiency of 98.2% and a charging/discharging power of 62.5 kW, which can significantly improve the efficiency of battery charging and discharging in the station. How EV battery swapping stations are transforming China's electric vehicle infrastructure?

China is making big strides in electric vehicle infrastructure, especially with battery swapping stations. Recently, the country announced the deployment of 1,000 new EV battery swapping stations, primarily led by NIO and CATL. This move aims to boost the adoption of electric vehicles by making charging faster and more convenient for users.

What is a battery swapping station?

Battery swapping stations are places where electric vehicle drivers can quickly exchange their empty batteries for fully charged ones. This process is much faster than traditional charging. Why is China focusing on battery swapping stations?

Why is China expanding battery swapping stations?

China is expanding battery swapping stations to promote electric vehicle use, reduce charging times, and support its goal of cleaner transportation. Who are the main companies involved in battery swapping in China?

NIO and CATL are the leading companies in China for battery swapping stations.

How many battery swap stations are there in China?

China is rapidly expanding its battery swapping infrastructure, with 1,000 new stations planned by NIO and CATL. Battery swapping technology addresses

long charging times, making EVs more practical for everyday use. NIO has established over 1,300 battery swap stations, completing millions of swaps for its customers.

Why should EV owners choose a battery swap station?

Instead of individual EV owners dealing with end-of-life batteries, swapping stations can manage this process more effectively. This centralized approach allows for better recycling and reusing batteries, ensuring valuable materials are recovered and repurposed. Sinopec and CATL are working together to build battery swap stations across China.

Who makes battery swapping stations in China?

NIO and CATL are the leading companies in China for battery swapping stations. They are working together to build more stations and improve technology. How many battery swapping stations does NIO currently have?

As of now, NIO has over 1,300 battery swapping stations across China, with plans to open more.

## New energy storage charging and swapping station

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