

Energy storage components for battery swap stations





Overview

What are the components of the automatic battery swapping station?

The main components of the automatic battery swapping station are the cyclic battery pack storage device, the battery pack storage compartment, the swapping platform, and the battery life processor. The cyclic battery pack storage device has two sets and is located on both sides of the swapping platform. The cyclic battery pack storage device can change the battery packs from the battery swapping position back to the storage position.

What is a battery swap station (BSS)?

Growing the need for effective, large-scale, and easy charging facilities has been induced by the success of electric vehicles (EVs). Battery Swap Stations (BSS) are one of the more recent options to conventional plug-in charging that hold solutions to issues of battery degrading, range anxiety, and extended recharging time.

What is automatic battery swapping station?

The automatic battery swapping station mainly includes a cyclic battery pack storage device, a battery pack storage compartment, a swapping platform and so on. The cyclic battery pack storage device has a battery life processor, and the battery pack storage compartment reads the usage curve data of each battery through an interface.

What is the design scheme of automatic battery swapping vehicles?

Design Scheme of Automatic Battery Swapping vehicles. During the battery swapping process, there is no need to lift the vehicle, which saves the high-power motor that would be necessary to do so. The design also controls the overall height of the swapping platform and station.



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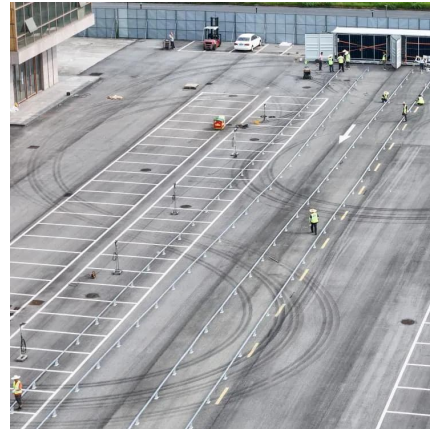


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Power Swap batteries are prismatic by design, which is the most universal and cost-efficient design that enables robotic processing with low complexity. The system can handle different ...



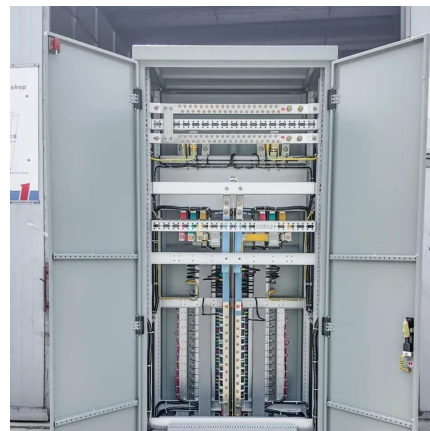
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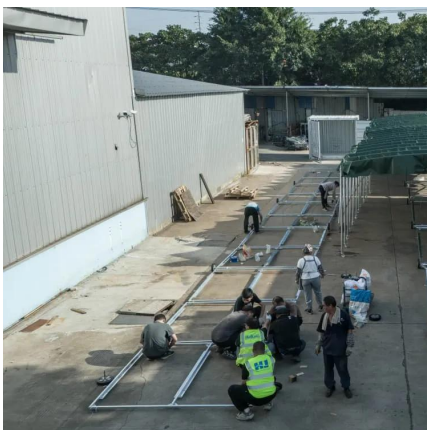
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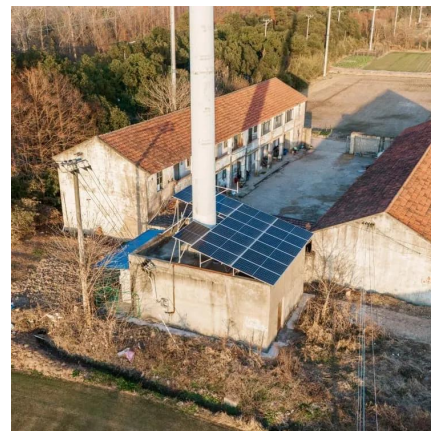


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