

# Base station site charging standards





## Overview

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The CharIN e.V. Whitepaper on Charging Site Recommendations provides a comprehensive guide aimed at standardizing and optimizing charging infrastructure for electric vehicles (EVs) and commercial electric trucks. What are the EV charging station standards?

Here are some of the main EV charging station standards to know: California Type Evaluation Program (CTEP): CTEP is a state-specific certification managed by the California Department of Food & Agriculture. It is designed to ensure that all EV operators in the state provide a consistent experience and that EV drivers get what they pay for.

Where are GB/T charging stations used?

GB/T: The GB/T standard is used exclusively in China. Thanks to the country's high rate of EV adoption and intimate familiarity with lithium-ion battery technology, there are more GB/T charging stations installed globally than any of the other standards.

How to choose a charging station layout?

Charging stations can adopt either a 45-degree fishbone design or 90-degree parking, without local limitations. These layouts optimize space utilization and accessibility 3.3.1.3. Traffic Direction Consideration of UK traffic direction is essential. Aligning the charging station layout with local traffic flow ensures safety and efficiency. 3.3.1.4.

How should charging sites be designed?

To address these risks, charging sites must be designed with clear signage and markings to guide vehicles safely into charging bays. Furthermore, the layout should allow for easy access by emergency vehicles. Physical barriers or bollards can also be installed to protect charging equipment from accidental impact. 3.3.3.3. Electrical Safety



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### **Charging standards**

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### [The big list of EV charging station standards and specs](#)

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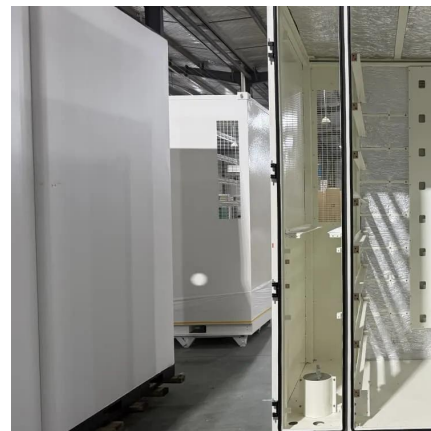
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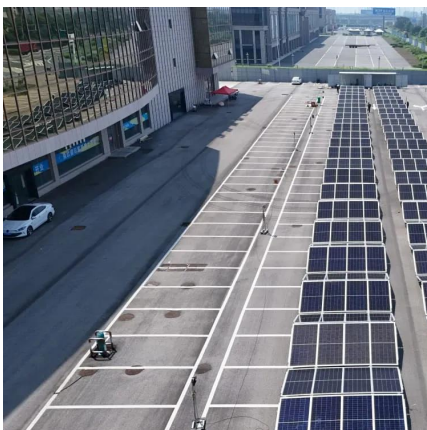
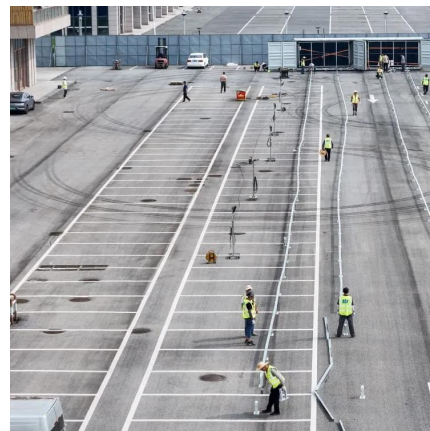


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