

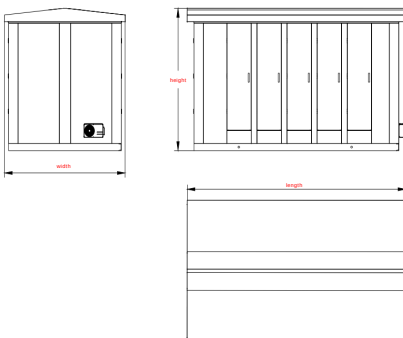


Functions and Features

- ◆ Integrate the charging, power distribution and monitoring equipment to simplify the current situation. The site was installed and put into use quickly.
- ◆ Support seamless connection of multiple devices to enhance the system's performance Compatibility and scalability.
- ◆ It is well-protected, operates safely and reliably, and is easy to maintain.
- ◆ It occupies less land, requires less investment, has a short production cycle and is easy to move.
- ◆ The solutions are flexible and diverse.
- ◆ Unique structure: Firm shell, good heat insulation performance, high protection level, diverse types, and strong versatility.

Usage environmental conditions

- ◆ Urban public charging stations, providing high-power DC charging Electricity service Highway service area, ensuring long-distance charging Electricity demand Enterprise parks, customized charging equipment and Service.
- ◆ Operating temperature: -25°C to +40°C, relative humidity 90%, protection grade IP54, ensuring outdoor stability Run.



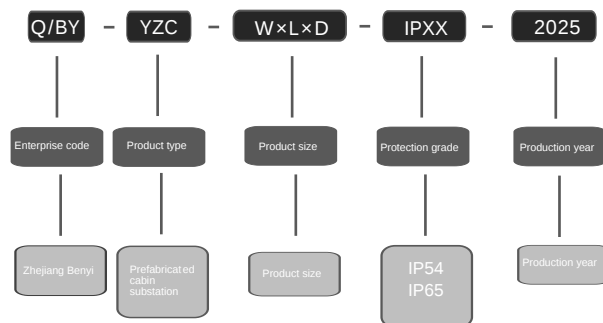
Product Overview

BENY

Integrate charging, power distribution and monitoring equipment in standard containers to reduce on-site workload and simplify the installation process. Through integrated design, rapid installation was achieved, the construction efficiency was improved, and the project cycle was shortened. Provide an intelligent management system to achieve remote monitoring and maintenance, and improve the operational efficiency and security of the system. Adopt The modular construction method provides flexible configuration, facilitating later expansion and adjustment, and optimizing space utilization.



Model description



Technical parameters

Cabin structure :

Size specification: The standard size of a single cabin is length × width × height 9200mm×2800mm×3133mm(External), supports modular combination expansion to 9200mm×5600mm×3133mm. Materials and Protection: The cabin frame is made of high-strength galvanized steel, with surface plastic spraying treatment. The salt spray test lasts for ≥1000 hours and the protection grade is IP54. The flame-retardant materials comply with UL94 V-0 standards.

Electrical system :

Input power supply : AC 380V±10%, 50Hz±1Hz, supporting dual power supply redundant input. Output capacity : The output power of a single gun is ≥600kW, and the maximum continuous current is 600A. When the four guns are working simultaneously, the total current reaches 2400A, supporting dynamic power distribution. Charging interface: Equipped with 4 DC output interfaces, compatible with 250A/750V specifications, and supporting BMS communication.

Intelligent management system :

Technical parameters

Temperature control system : Integrated with liquid cooling heat dissipation and intelligent temperature control device, the operating temperature is $\leq 40^{\circ}\text{C}$. Security monitoring : Real-time monitoring of voltage, current, insulation resistance ($\geq 10\text{M}\Omega$) and grounding resistance ($\leq 4\Omega$), supporting leakage protection and overvoltage/undervoltage protection. Interactive function : Supports card swiping/scanning code startup and automatic VIN code recognition for charging. Equipped with a 7-inch touch screen and a remote monitoring platform, it can display the charging status and fault alarms in real time.

Technical Parameter Table

Classification	Parameter details
Electrical performance	Efficiency $\geq 95\%$, voltage fluctuation during full-load operation $\leq \pm 5\%$
Communication interface	CAN/RS485/Ethernet, supporting data interaction on cloud platforms
Mechanical performance	The wind pressure resistance is $\geq 1.5\text{kN/m}^2$, and the horizontal error of the hoisting foundation is $\leq 3\text{mm}$
Expansion capability	Supports dual-compartment bridge expansion to 4.8MW and is compatible with 480kW split charging cabinets