

A-Core Container

Energy storage charging pile communication site



Overview

What is energy storage charging pile management system?

System Architecture Design Based on the Internet of Things technology, the energy storage charging pile management system is designed as a three-layer structure, and its system architecture is shown in Figure 9. The perception layer is energy storage charging pile equipment.

What is the energy storage charging pile system for EV?

The new energy storage charging pile system for EV is mainly composed of two parts: a power regulation system and a charge and discharge control system. The power regulation system is the energy transmission link between the power grid, the energy storage battery pack, and the battery pack of the EV.

How do I control the energy storage charging pile device?

The user can control the energy storage charging pile device through the mobile terminal and the Web client, and the instructions are sent to the energy storage charging pile device via the NB network. The cloud server provides services for three types of clients.

What is a charging pile communication network?

As can be seen from the architecture diagram shown in Figure 1, the charging pile communication network generally consists of three parts: the terminal network, the concentrator device, and the cloud network. The terminal network consists of multiple charging piles, which can be networked by wired or wireless connection.

What data is collected by a charging pile?

The data collected by the charging pile mainly include the ambient temperature and humidity, GPS information of the location of the charging pile, charging voltage and current, user information, vehicle battery

information, and driving conditions . The network layer is the Internet, the mobile Internet, and the Internet of Things.

How secure is the communication network between high-power charging piles?

According to the above steps of lightweight key management of electric vehicle charging piles, the security of the communication network between high-power charging piles can be guaranteed to a certain extent.

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