

NKOSITHANDILEB SOLAR

Solar container communication station plus charging pile



Overview

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.

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.

How does a charging pile work?

The charging pile receives the communication content from the neighboring piles, including the timestamp of each charging pile and the corresponding active and reactive power increments, and the predicted voltage value.

How wireless communication technology is used for remote monitoring of charging piles?

Wireless communication technology is usually adopted for remote monitoring of charging piles. This is because the construction site of these charging piles adopts wired wiring, which is difficult and costly.

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Based on this, this paper proposes a security optimization method for high-power inter pile communication networks under trusted tabu particle swarm optimization. Using 6LoWPAN ...

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