

Energy storage charging pile patented technology

What is energy storage charging pile equipment?

Design of Energy Storage Charging Pile Equipment The main function of the control device of the energy storage charging pile is to facilitate the user to charge the electric vehicle and to charge the energy storage battery as far as possible when the electricity price is at the valley period.

What is the function of the control device of energy storage charging pile?

The main function of the control device of the energy storage charging pile is to facilitate the user to charge the electric vehicle and to charge the energy storage battery as far as possible when the electricity price is at the valley period. In this section, the energy storage charging pile device is designed as a whole.

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.

What is the processing time of energy storage charging pile equipment?

Due to the urgency of transaction processing of energy storage charging pile equipment, the processing time of the system should reach a millisecond level.

3.3. Overall Design of the System

Can energy-storage charging piles meet the design and use requirements?

The simulation results of this paper show that: (1) Enough output power can be provided to meet the design and use requirements of the energy-storage charging pile; (2) the control guidance circuit can meet the requirements of the charging pile; (3) during the switching process of charging pile connection state, the voltage state changes smoothly.

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.

It summarizes the technical point description of the patent document. A technology of energy storage power supply and charging pile, which is applied in the direction of electric vehicle ...

In this paper, the battery energy storage technology is applied to the traditional EV (electric vehicle) charging piles to build a new EV charging pile with integrated charging, discharging, and storage; Multisim software is used to build an EV charging model in order to simulate the charge control guidance module. On this basis,



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combined with ...

Dahua Energy Technology Co., Ltd. is committed to the installation and service of new energy charging piles, distributed energy storage power stations, DC charging piles, integrated storage and charging piles and mobile energy ...

It summarizes the technical point description of the patent document. A technology of energy storage power supply and charging pile, which is applied in the direction of electric vehicle charging technology, charging stations, vehicle energy storage, etc., and can solve the problems of electric vehicle charging and shortage

The energy storage charging pile achieved energy storage benefits through charging during off-peak periods and discharging during peak periods, with benefits ranging ...

A new energy vehicle and charging pile technology, applied in electric vehicle charging technology, charging stations, electric vehicles, etc., can solve the problems of insulation damage, leakage, charging pile damage, etc., to improve practicability and reliability, and easy to use. Reliable, effort-reducing effect

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An energy storage charging pile: comprising high-frequency isolation DC/DC conversion devices (5, 6) and direct-current buses (7, 8), wherein the high-frequency isolation AC/DC conversion...

In this paper, the battery energy storage technology is applied to the traditional EV (electric vehicle) charging piles to build a new EV charging pile with integrated charging, discharging, and storage; Multisim software is used ...

A technology of charging piles and new energy, applied in charging stations, electric vehicle charging technology, electric vehicles, etc., can solve the problems of electric shock ...

The company has advanced technology of UPS/EPs emergency power supply, modular data center, solar PV inverter, charging pile, energy storage equipment, intelligent power distribution and other homologous products. At present, the company focuses on emerging industries such as smart city & big data, smart energy, smart transportation, pv energy ...

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A new energy vehicle and charging pile technology, applied in electric vehicle charging technology, charging stations, electric vehicles, etc., can solve the problems of insulation damage, leakage, charging pile damage, etc., ...

In view of the above situation, in the Section2of this paper, energy storage technology is applied to the design of a new type charging pile that integrates charging, discharging, and storage ...

Energy storage charging pile refers to the energy storage battery of different capacities added according to the practical need in the traditional charging pilebox. Because the required ...

A centralized energy storage charging pile, comprising high-frequency isolation conversion bidirectional or unidirectional DC/DC converters (7, 8) and DC buses (10, 11), a first...

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