

What are battery storage power stations?

Battery storage power stations are usually composed of batteries, power conversion systems (inverters), control systems and monitoring equipment. There are a variety of battery types used, including lithium-ion, lead-acid, flow cell batteries, and others, depending on factors such as energy density, cycle life, and cost.

How do energy storage power stations perform state evaluation & performance evaluation?

At the terminal of the system, the state evaluation, performance evaluation and fault analysis of the batteries in the energy storage power station are carried out through horizontal and vertical data analysis. Through edge computing, system operation data and evaluate system operation status.

Why do battery storage power stations need a data collection system?

Battery storage power stations require complete functions to ensure efficient operation and management. First, they need strong data collection capabilities to collect important information such as voltage, current, temperature, SOC, etc.

What is energy storage system architecture?

The system realizes the functions of information collection, integration and monitoring of the energy storage station. Grid tide and load data, wind power and photovoltaic data are also connected, as well as related forecasts. In this system architecture, the collected data is uploaded to the data center.

How do energy storage monitoring systems work?

There are two data sources for the energy storage monitoring system: one is to access the data center through the power data network; the other is to directly collect the underlying data of the energy storage station. The two ways complement each other.

What is the regulation architecture of energy storage system?

However, from the perspective of traditional control architecture, the regulation architecture of energy storage system connected to the grid side can be divided into two parts: The upper advanced application deployed in the dispatching side, and the operation and maintenance platform deployed in the lower.

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