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Lead-carbon grid-side energy storage power station

Overview

The power station was put into use in May 2020, is the country's first grid-side energy storage power station using lead-carbon battery technology, located in Changxing City, using lead-carbon batteries with safe, reliable and low operation and maintenance costs, etc., the battery can be retired to achieve more than 99% of the cycle of regeneration.Can lead-carbon batteries be used for energy storage?

View CBI's interactive map of energy storage projects A grid-side power station in Huzhou has become China’s first power station utilizing lead-carbon batteries for energy storage.

What is China's first power station utilizing lead-carbon batteries for energy storage?

A grid-side power station in Huzhou has become China’s first power station utilizing lead-carbon batteries for energy storage. Starting operation in October 2020, the 12MW power station provides system stability for the Huzhou Changxing Power Grid to enhance the capacity of frequency and voltage regulation.

What is a lead-carbon battery?

Lead-carbon batteries provide frequency and voltage regulation services for the Huzhou Changxing Power Grid. Battery energy storage used for grid-side power stations provides support for the stable operation of regional power grids.

What is a 12MW power station?

Starting operation in October 2020, the 12MW power station provides system stability for the Huzhou Changxing Power Grid to enhance the capacity of frequency and voltage regulation. Lead-carbon batteries provide frequency and voltage regulation services for the Huzhou Changxing Power Grid.

What are the advantages of lead-carbon battery?

Lead-carbon battery solves the defects of low charge-discharge rate of traditional lead-acid battery, improves the phenomenon of negative sulfate, and has the advantages of good charge-discharge performance and long battery life.

How does a 6mw/24mwh energy storage system work?

The 6MW/24MWh energy storage system is connected to the high-voltage bus at the user side by one parallel point. The high-voltage side of the 10kV transformer of the three sets of 2MW/8MWh energy storage units is converged to the 10kV switch room, and then the 10kV bus is respectively connected through the 10kV cable line.

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