



WALMER ENERGY

Factors affecting energy storage power stations





Overview

What factors affect pumped storage power generation?

Socioeconomic factors are the main factors affecting pumped storage power generation, followed by energy structure. Under the “30·60” dual carbon target, the construction of pumped storage power stations is an important component of promoting clean energy consumption and building a new type of power system.

What are the benefits of pumped storage power stations?

Pumped storage power stations in the power system have a significant energy saving and carbon reduction effect and are mainly reflected in wind, light, and other new energy grid consumption as well as in enhancing the proportion of clean energy in the power system [11, 12].

Why is energy storage important?

Energy storage is one of the most important technologies and basic equipment supporting the construction of the future power system. It is also of great significance in promoting the consumption of renewable energy, guaranteeing the power supply and enhancing the safety of the power grid.

How can energy storage improve energy supply & demand?

Through energy storage technology, the space and time discontinuity of renewable energy generation can be effectively alleviated, and peak shaving and valley filling on the power grid side could realize the balance of power supply and demand [6, 7].



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