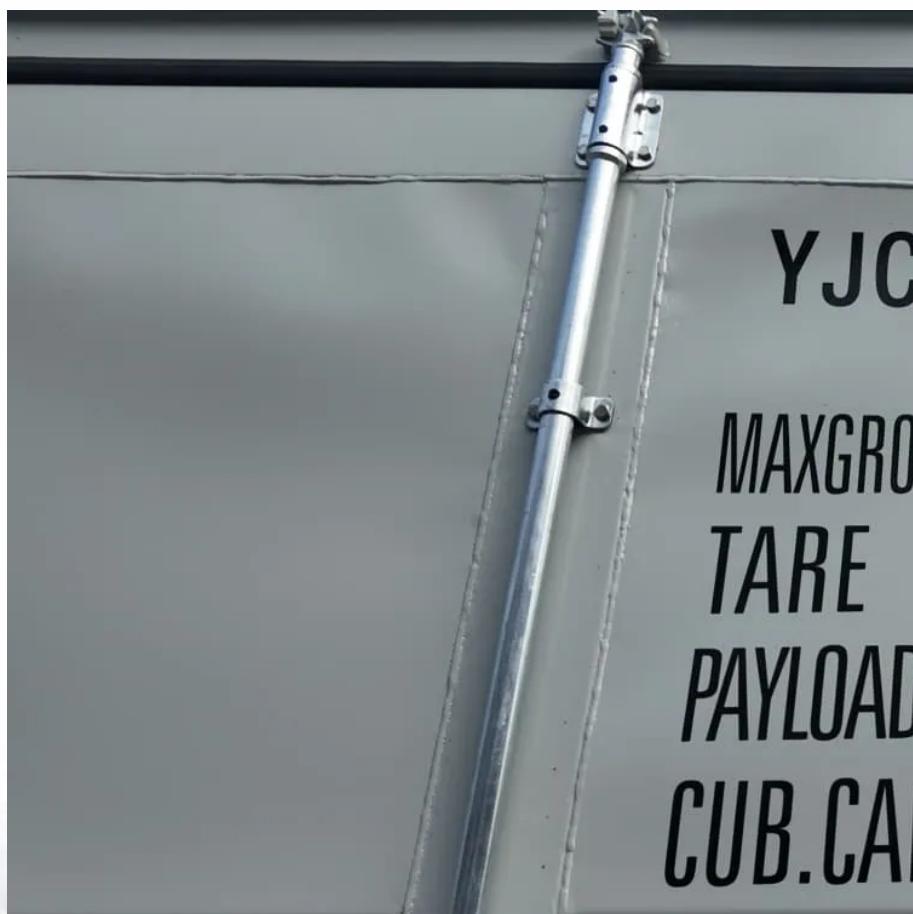




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The supporting role of energy storage power station construction





Overview

What are the core functions of energy storage power stations?

In addition to these core functions, functions such as anti-backflow protection, support for parallel/off-grid operation, and islanding protection further enhance the reliability and versatility of energy storage power stations.

How pumped storage power stations can improve Ur and LR?

The construction of pumped storage power stations among cascade reservoirs can improve the flexible adjustment ability of the clean energy base, which also changes the water transfer and electrical connection of UR and LR at the same time.

How do pumped storage power stations work?

As the most mature and cost-effective energy storage technology available today, pumped storage power stations utilize excess WPP to pump water from a lower reservoir (LR) to an upper reservoir (UR).

Can pumped storage power stations support a high-quality power supply?

Hence, to support the high-quality power supply, this research explores the complementary characteristics of the clean energy base building different types of pumped storage power stations, and recognizes the efficient operation intervals of the giant cascade reservoir.



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