

Seoul Hybrid Pumped Storage Power Station





Overview

The reconstruction of conventional cascade hydropower plants (CHP) into hybrid pumped storage hydropower plants (HPSH) by adding a pumping station has the potential to increase the hydropower's flexibility a.

What is hybrid pumped storage hydropower station?

Hybrid pumped storage hydropower station adopts the scheduling principle of 'pumping at low electricity prices, generating at high electricity prices, with pumping and power generation are carried out at a staggered time'.

Can pumped storage hydropower plants be reconstructed by a pumping station?

The reconstruction of conventional cascade hydropower plants (CHP) into hybrid pumped storage hydropower plants (HPSH) by adding a pumping station has the potential to increase the hydropower's flexibility and promote the consumption of renewable energy into the power grid.

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 does a pumped storage pump station work?

The pumped storage pump station uses the excess power of wind-PV plants, and the water in LR connected to the pump station is pumped to UR. The excess power of non-storable WPP is transformed into the gravitational potential energy of storable water.



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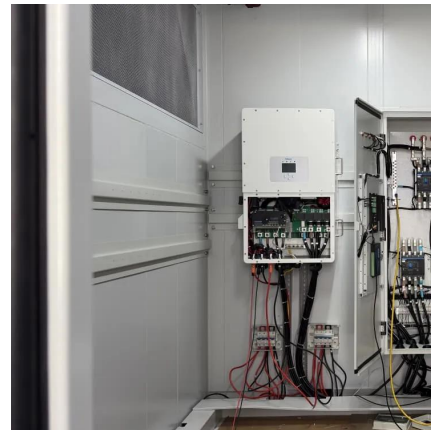
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