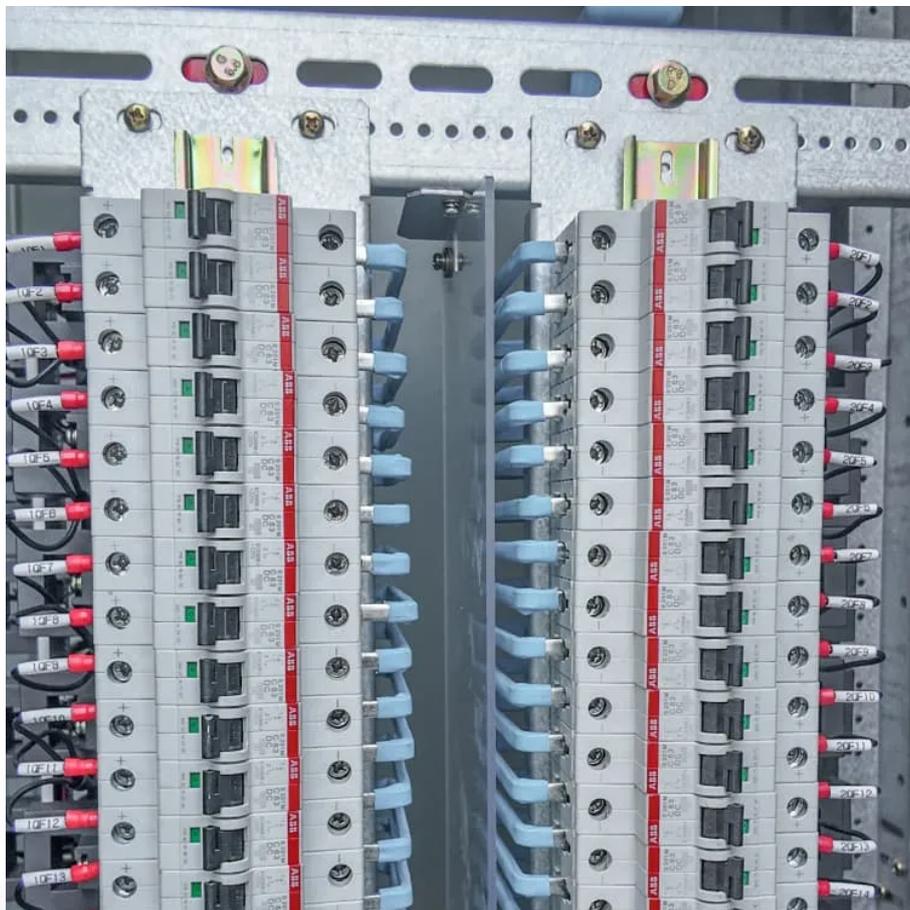


# Boston Energy Storage Pumped solar Power Station





## Overview

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What can pumped-storage power stations do?

In the special areas where new energy sources are concentrated, the open space of pumped-storage power stations can be used to build solar energy and wind energy storage systems, and new energy sources can be connected and coupled in pumped-storage power stations to build a new generation of pumped-storage stations.

What is Fengning pumped storage power station?

The Fengning Pumped Storage Power Station is the one of largest of its kind in the world, with twelve 300 MW reversible turbines, 40-60 GWh of energy storage and 11 hours of energy storage, their reservoirs are roughly comparable in size to about 20,000 to 40,000 Olympic swimming pools.

Can optical storage improve the performance of pumped-storage power units?

Combined with chemical energy storage, the failure to achieve second-order response speed and the insufficient safety and reliability of pumped-storage power units could be solved. With the better solar energy and site resources, the integrated performance can be improved by an optical storage system installed in future pumped-storage stations.

What is a fixed-speed pumped-storage power station?

The fixed-speed pumped-storage power station has a step-type output. Take one of pumped storage power stations as an example. It takes only about 16 s from  $\hat{\sim}50$  MW to  $\hat{\sim}300$  MW, and just 14 s from  $\hat{\sim}300$  MW to 0 MW. It means a 300 MW unit trips several times in one day, which has a great impact on the Fujian province power grid.



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Pumped storage power plant

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