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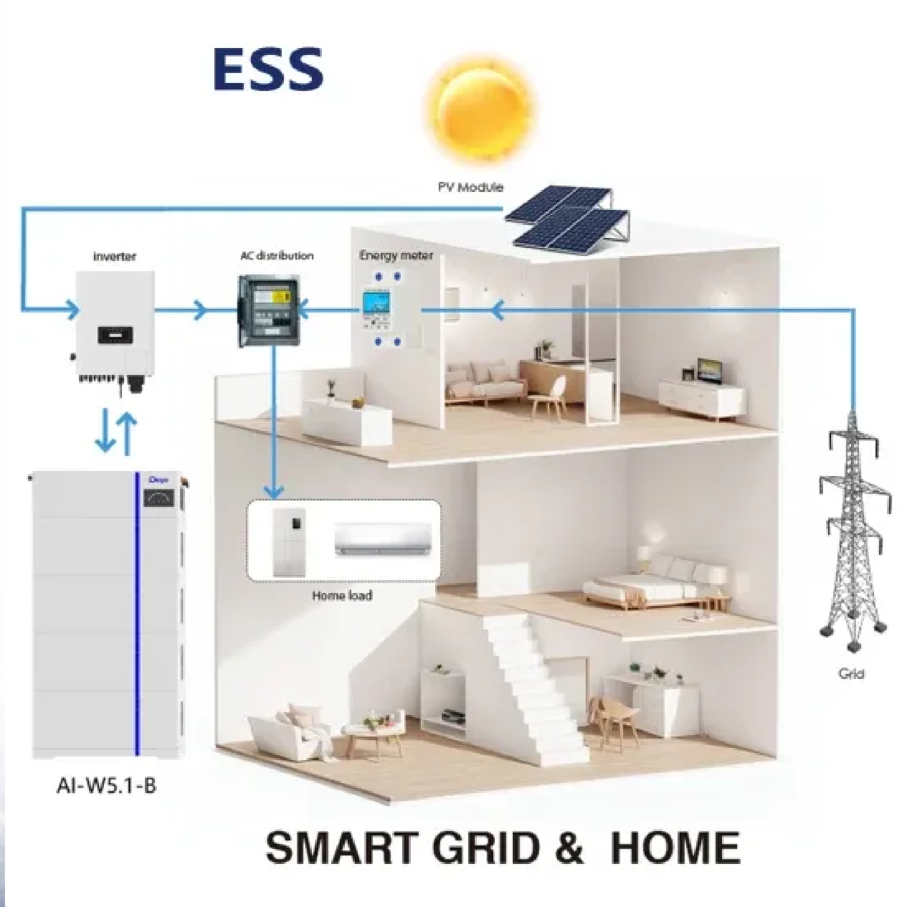
Construction and commissioning of energy storage and frequency regulation projects



Overview

What is China's first grid-level flywheel energy storage frequency regulation power station?

This project represents China's first grid-level flywheel energy storage frequency regulation power station and is a key project in Shanxi Province, serving as one of the initial pilot demonstration projects for "new energy + energy storage.".

What is E-dreg energy storage facility?

Billion Watts Launches 64MW E-dReg Energy Storage Facility, Strengthening Taiwan’s Grid Stability Strategically located within an industrial zone, the facility plays a crucial role in energy shifting and frequency regulation, participating in Taiwan Power Company's E-dReg ancillary services market.

How fast is a large-scale energy storage system?

With an ultra-fast response time of 200 milliseconds, the system rapidly mitigates grid fluctuations, ensuring a stable and efficient power supply during peak demand periods. This project marks a significant step toward integrating large-scale energy storage solutions into Taiwan's evolving energy landscape.

Why is peak load regulation important in Shandong province?

Shandong Province has a high proportion of coal power generation. The peak load regulation depended mainly on thermal power. With the expansion of renewable energy and energy import-ed from outside the province, there is more pressure on peak regulation.

Why are stable energy storage solutions important in Taiwan?

As Taiwan's renewable energy share continues to grow, stable energy storage solutions are becoming increasingly vital to offset fluctuations in solar and wind power generation.

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