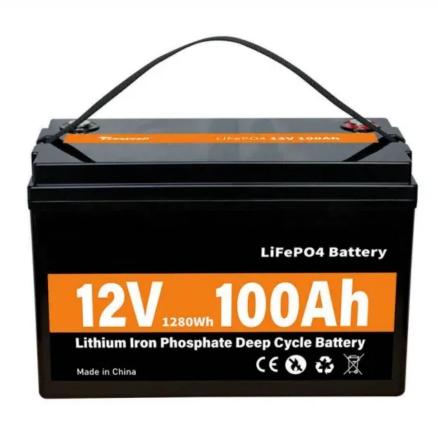


SolarTech Power Solutions

New Energy Configuration Energy Storage







Overview

Why is energy storage configuration important?

Energy storage configuration is an important part of new energy access system of public charging and swapping stations. 6, 7 Due to the intermittency and instability of new energy power generation, direct access to power grid may affect its stable operation. Therefore, it is imperative to configure an appropriate energy storage system.

How to calculate power generation cost after installation of energy storage facilities?

The power generation cost of new energy units after the installation of energy storage facilities is as follows: (7) C N S = M + P n · Δ Q ′ + S b + S o p = M + P n · \int Δ q min ′ Δ q f (q) · q · d q + S b + S o p (8) S b = R · Q s t r, S o p = N + K · Δ Q ′ ′ (9) Δ Q ′ ′ = Δ Q - Δ Q ′.

Can energy storage technology be used in charging and swapping stations?

The application of energy storage technology in charging and swapping stations has broad prospects, which can improve energy utilization efficiency, reduce operating costs, and promote the sustainable development of the electric vehicle industry.

Why should energy storage facilities be installed?

For new energy units, proper deployment of energy storage facilities can promote the consumption of excess generation, increase the option of selling electricity in the high price period, participate in the competition auxiliary service market, and improve the return on total life cycle assets.

What is a topological connection for energy storage?

The topological connection of the energy storage configuration is designed to be flexible and adjustable, which is convenient for connecting to new energy storage devices. When solid-state battery technology matures, the topology



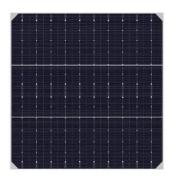
can be quickly adapted to optimize energy storage efficiency.

Why is energy storage more important than capacity?

An individual new energy supplier's demand for energy storage is often insufficient to support the development of pumped storage power stations, and cooperative development or partial leasing can be adopted. From the perspective of capacity and power, power is more important than capacity when energy storage is mainly used to suppress fluctuations.



New Energy Configuration Energy Storage



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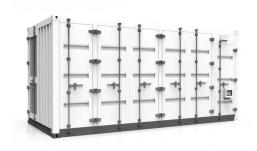


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