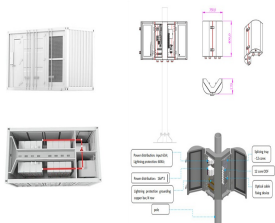
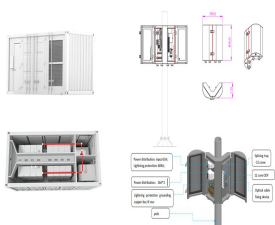


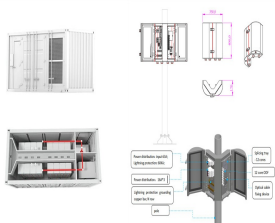
SIDE ENERGY STORAGE SYSTEM AND BUSINESS MODEL



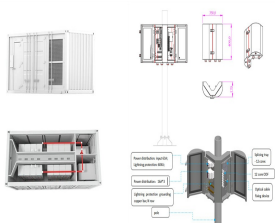
What are the business models for large energy storage systems? The business models for large energy storage systems like PHS and CAES are changing. Their role is traditionally to support the energy system, where large amounts of baseload capacity cannot deliver enough flexibility to respond to changes in demand during the day.



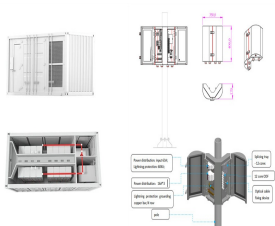
What is user-side energy storage? User-side energy storage can not only absorb renewable energy such as solar energy, but also maintain a stable power supply for houses. German energy supply company which called SENE. IES adopts a "free lunch" energy storage business model. SENE IES installs energy storage systems for users who own home photovoltaics.



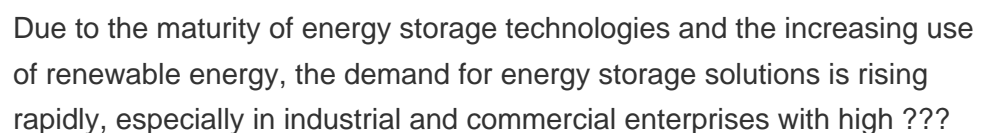
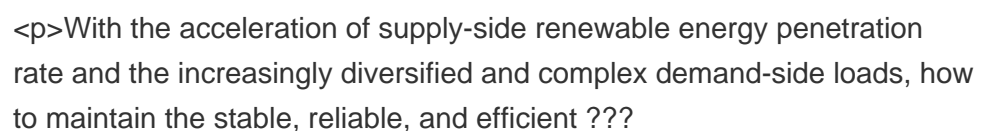
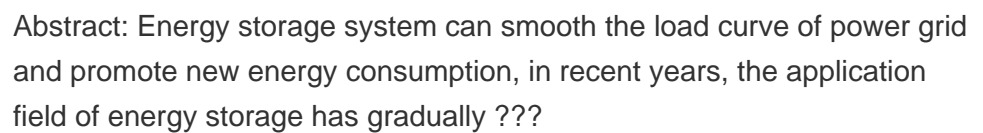
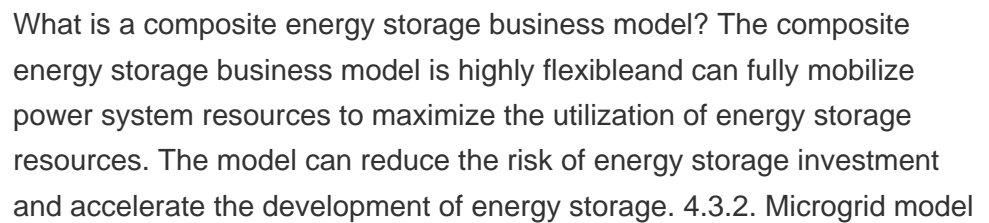
What are the emerging energy storage business models? The independent energy storage model under the spot power market and the shared energy storage model are emerging energy storage business models. They emphasized the independent status of energy storage. The energy storage has truly been upgraded from an auxiliary industry to the main industry.



Who owns the energy storage system? The grid subsidiary is the owner of the energy storage system. The third type is the third-party investment. Under this investment model, the energy storage system is invested and operated by third party.



What is shared energy storage & other energy storage business models? Through shared energy storage and other energy storage business models, the application scope of energy storage on the power generation side, transmission and distribution side, and user side will be blurred. And many application scenarios can realize the composite utilization of energy storage according to demand.



SIDE ENERGY STORAGE SYSTEM AND BUSINESS MODEL



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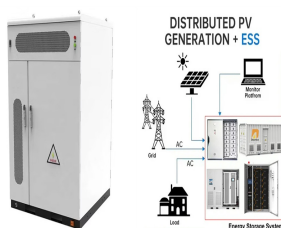
In order to analyze the economics of user-side photovoltaic and energy storage system operation and promote the widespread promotion of photovoltaic energy storage system, this paper first ???



As global energy demands rising and renewable energy sources rapidly evolving, renewable sources like wind and solar energy challenges the grid's stability because of the intermittent ???



According to the different investors, beneficiaries and profit models, the business models of energy storage are temporarily classified into six types, namely the ancillary service ???



Traditional business models involve ancillary services and load transfer, while emerging business models include electric vehicle (EV) as energy storage and shared energy storage. Keywords ???

SIDE ENERGY STORAGE SYSTEM AND BUSINESS MODEL



Black start energy can be pursued by an investor in production, who seeks to defer the investment in a black start generator with an investment in energy storage. Alternatively, the business model can be pursued by an ???



Customer-sited stationary storage systems connected to the distribution system (on the customer side of the utility service meter) are known as BTM. Everything on the other side of the service meter is known as FTM. ???



Finally, key content for the development of energy storage, system selection, optimization model, and optimization of the development of the simulation software platform for the development of the new energy side, the ???



With energy storage becoming an important element in the energy system, each player in this field needs to prepare now and experiment and develop new business models in storage. They need to understand the key ???