

# PROSPECTS OF DOMESTIC NEW ENERGY STORAGE FIELD



Will the energy storage industry thrive in the next stage? The energy storage industry is going through a critical period of transition from the early commercial stage to development on a large scale. Whether it can thrive in the next stage depends on its economics.



When will new energy storage development be introduced? The commission said earlier it will introduce a plan for new energy storage development for 2021-25 and beyond, while local energy authorities should also make plans for the scale and project layout of new energy storage systems in their regions.



What is the key point of New Energy Micro Grid development? Key point of new energy micro grid development is energy storage technology. Energy Storage Science and Technology 5; 2015. p. 486. Teng Yongxiao, Hanjing. The development and analysis of energy storage technology. Science & Technology Vision 4; 2015. p. 153-186. Yu Zhenhua. Development status and future trend of energy storage industry.



Will energy storage be stable in the future? This may mean that electrochemical energy storage will enter a relatively stable period in the future, while thermal energy storage and electromagnetic energy storage will enter a period of rapid development.



Why do we need a large-scale development of electrochemical energy storage? Additionally, with the large-scale development of electrochemical energy storage, all economies should prioritize the development of technologies such as recycling of end-of-life batteries, similar to Europe. Improper handling of almost all types of batteries can pose threats to the environment and public health.

# PROSPECTS OF DOMESTIC NEW ENERGY STORAGE FIELD



What was the growth rate of energy storage industry in 2015? Driven by the Euramerican and Asia-Pacific market, worldwide energy storage industry experienced fast development in 2015. According to CNESA, global cumulative installed capacity of energy storage system was 946.8 MW (excluding PSS, CAES and heat storage) by the end of 2015 and the growth rate was 12.7% compared with year 2014.



Compared with pumped hydro energy storage, new energy storage has the advantages of short construction period, simple and flexible site selection, and strong adjustment ability. It is better matched with the ???



It is expected that in 2025, the annual new installations of new energy storage globally and in China may exceed 60GW and 31GW respectively, and are expected to reach 67GW and 35GW. Chart: Forecast on global and ???



Highlights ??? The development barriers and prospects of energy storage sharing is studied. ??? A multi-dimensional barrier system and three application scenarios is identified. ??? ???



At present, field tests have been carried out in a dozen oilfields such as Shengli, Liaohe, Xinjiang, Dagang, Daqing and Changqing. The field test results prove that the SP ???

# PROSPECTS OF DOMESTIC NEW ENERGY STORAGE FIELD



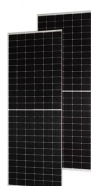
Thermal energy storage technology is an effective method to improve the efficiency of energy utilization and alleviate the incoordination between energy supply and demand in ???



Experts said developing energy storage is an important step in China's transition from fossil fuels to a renewable energy mix, while mitigating the impact of new energy's randomness, volatility, intermittence on the grid and ???



<p>Building a new electric power system that is based on new energy sources is an important direction for power system transformation and upgrading in China, and it is critical for peaking ???



The concept of the intelligent PV industry was introduced in 2018, encouraging the integration of artificial intelligence, big data, and other technologies with the PV industry to ???



? 1/4 ? "",,???, "",, ???

# PROSPECTS OF DOMESTIC NEW ENERGY STORAGE FIELD

---



According to the Texas Renewable Energy Industries Alliance (TREIA), the definition of "Renewable energy" is "Any energy resource that is naturally regenerated over a short time scale and derived directly from the sun ???



The application of energy storage technology can improve the operational stability, safety and economy of the power grid, promote large-scale access to renewable energy, and ???