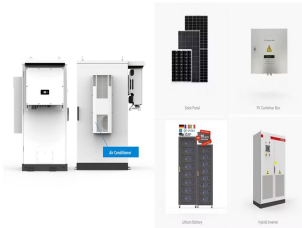
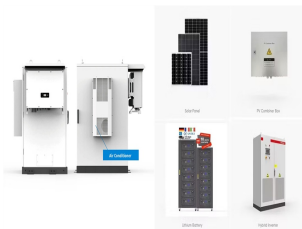


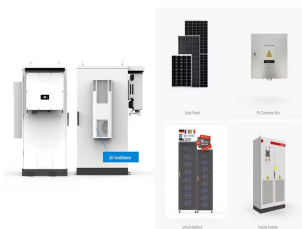
THE CURRENT STATUS AND PROBLEMS OF ENERGY STORAGE INDUSTRY DEVELOPMENT



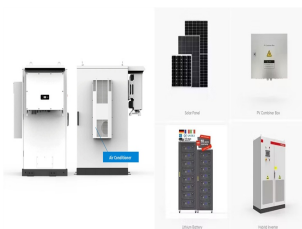
How will the energy storage industry evolve in 2022? Second, it describes the development of the energy storage industry. It is estimated that from 2022 to 2030, the global energy storage market will increase by an average of 30.43 % per year, and the Taiwanese energy storage market will increase by an average of 62.42 % per year.



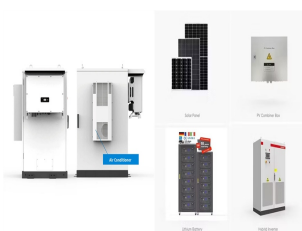
What are the challenges in the application of energy storage technology? There are still many challenges in the application of energy storage technology, which have been mentioned above. In this part, the challenges are classified into four main points. First, battery energy storage system as a complete electrical equipment product is not mature and not standardised yet.



What is the current situation of the energy storage industry in Taiwan? The current situation of the energy storage industry in Taiwan has a demand for energy storage systems, electric vehicles, and industrial development. Taiwan's foundation in the energy storage industry is in the field of battery technology, but it is difficult to compete with international manufacturers in terms of costs.

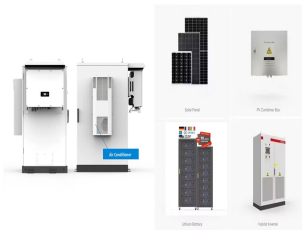


Why is energy storage industry in China a big problem? Judging from the present condition, cost problem is the main barrier. And the high performance and high security of the relative technology still need to be improved. Until 2020, energy storage industry in China may not be spread massively and the key point during this period is the technology research.

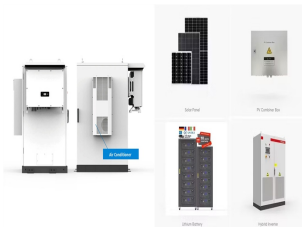


Does energy storage industry need a policy guidance? Sungrow Power Supply Co., Ltd.: energy storage industry needs the policy guidance urgently. Machinery & Electronics Business; 2015-6-22: A06. Policy and innovation are key factors for the development of energy storage technology. China Electric Power News; 2016-4-28: 008. Lin Boqiang.

THE CURRENT STATUS AND PROBLEMS OF ENERGY STORAGE INDUSTRY DEVELOPMENT



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.



Commercial lithium-ion batteries still undergo safety concerns due to using perilous and flammable liquid electrolytes that are prone to fire and leakage issues. Meanwhile, the ???



At present, the international energy situation is in a stage of new changes and adjustments [6, 7]. The basic trend of the global energy transition is to realize the transition of ???



The clustering of chemical plants into chemical industrial parks (CIPs) is a development trend within the petrochemical industry as it offers various advantages, such as ???



This study focuses on the current status of battery energy storage, development policies, and key mechanisms for participating in the market and summarizes the practical experiences of the US, China, Australia, and the UK ???

THE CURRENT STATUS AND PROBLEMS OF SOLAR PRO ENERGY STORAGE INDUSTRY DEVELOPMENT

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



Through analysis of two case studies???a pure photovoltaic (PV) power island interconnected via a high-voltage direct current (HVDC) system, and a 100% renewable energy autonomous power supply???the paper elucidates ???



<p>Technology innovation is becoming a source of power to lead the transition and development of global energy industry. The development of emerging industries in the energy field is rooted ???



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 ???



Under the background of the power system profoundly reforming, hydrogen energy from renewable energy, as an important carrier for constructing a clean, low-carbon, safe and efficient energy system, is a necessary way to ???