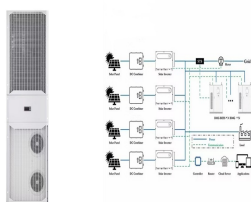


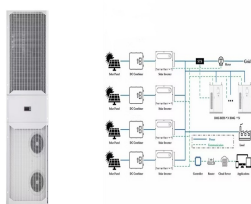
# NATIONAL ENERGY STORAGE GRID SUPPORT POLICY



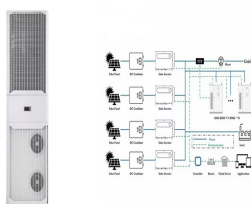
Why do we need a power grid? The power grid supports the development of energy storage and promotes its role in the energy system



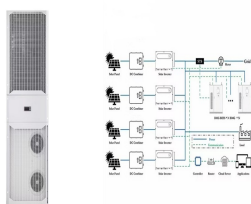
What is the 'guidance' for the energy storage industry? Based on the above analysis, as the first comprehensive policy document for the energy storage industry during the ???14th Five-Year Plan??? period, the ???Guidance??? provided reassurance for the development of the industry.



What are energy storage policies? These policies are mostly concentrated around battery storage system, which is considered to be the fastest growing energy storage technology due to its efficiency, flexibility and rapidly decreasing cost. ESS policies are primarily found in regions with highly developed economies, that have advanced knowledge and expertise in the sector.



What is the 'guidance on accelerating the development of new energy storage? Since April 21, 2021, the National Development and Reform Commission and the National Energy Administration have issued the ???Guidance on Accelerating the Development of New Energy Storage (Draft for Solicitation of Comments)??? (referred to as the ???Guidance???), which has given rise to the energy storage industry and even the energy industry.

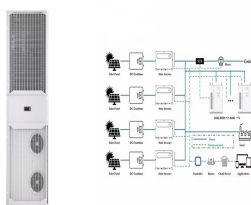


How do ESS policies promote energy storage? ESS policies mostly promote energy storage by providing incentives, soft loans, targets and a level playing field. Nevertheless, a relatively small number of countries around the world have implemented the ESS policies.

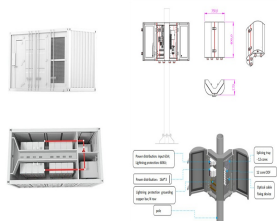
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What are energy storage policy tools? In general, policies are designed to establish boundaries and provide regulatory guidelines. According to the Energy Storage Association (ESA), the policy tools fall under three categories which are value, access and competition.



Energy Storage Technologies for Electric Grid Modernization A secure, robust, and agile electricity grid is a central element of national infrastructure. Modernization of this infrastructure is critical for the nation's economic vitality. ???



National policy level: President Xi Jinping proposed to support enterprises to "go to sea in groups" and accelerate import diversification; the National Energy Administration ???



According to CNESA's 2017 white paper, electrochemical energy storage installed capacity is expected to grow to 2 GW by 2020, while molten salt and compressed air storage ???



Implementing large-scale commercial development of energy storage in China will require significant effort from power grid enterprises to promote grid connection, dispatching, and trading mechanisms, and also ???

# NATIONAL ENERGY STORAGE GRID SUPPORT POLICY



In July 2021, the National Energy Administration and the National Development and Reform Commission issued their "Guiding Opinions on Accelerating the Development of New Energy Storage", which for the first time declared the ???



In 2020, under the direction of the National Development and Reform Commission to promote energy storage and lay a solid foundation for industrial development, the Ministry of Education, the National Development ???



At the same time, with the industry's new understanding of grid-side energy storage and the entry of various social entities, we believe that under the guidance of policies, the grid-side energy storage Energy storage will be ???



Energy storage is the key to facilitating the development of smart electric grids and renewable energy (Kaldellis and Zafirakis, 2007; Zame et al., 2018).Electric demand is unstable during the day, which requires the ???



On its transmission network, 19 battery energy storage projects worth around 10GW will be offered dates to plug in averaging four years earlier than their current agreement, based on a new approach which removes the ???