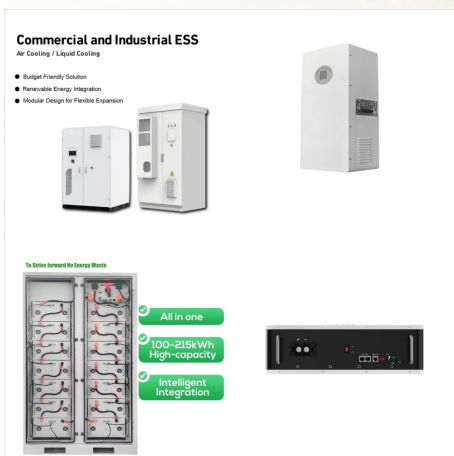


4 . The share of total generation in Kazakhstan is 6.67%. Currently, in addition to auctioning, large-scale renewable energy projects are being implemented at various stages with foreign investors, including those from Saudi Arabia, the United Arab Emirates, the French Republic and the People's Republic of China," she added.



Electricity is increasingly being generated from renewable sources a?? solar, wind, geothermal, bioenergy and hydropower a?? but their output is intermittent. By utilizing advanced tech solutions, such as Battery Energy Storage Systems (BESS), we a?|



Ministry of Ecology of the Republic of Kazakhstan has recently presented a draft version of doctrine (strategy) on achieving carbon neutrality by 2060, which highlights the importance of energy storage systems in enabling renewable energy into conventional energy system for the purposes of decarbonization. 6

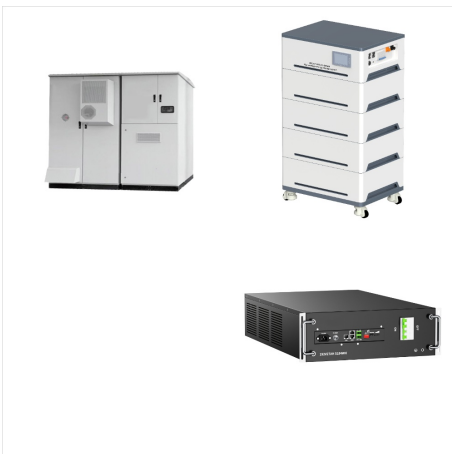
BATTERIE ENERGIESPEICHERSYSTEME KAZAKHSTAN



Saudi Arabia-based Acwa Power has signed a road map for a 1GW wind power and battery storage project with Kazakhstan's Ministry of Energy and the country's sovereign wealth fund, Samruk-Kazyna. Considered a milestone for the establishment of the project, the road map will pave the way for the formalisation of processes as well as construction.



Hydro pump storage; hybrid systems, where solar/wind is combined with battery storage; distributed generation a?? all these solutions could alleviate the deficit of balancing and reserve power. The legislation of Kazakhstan lacks the concept of "energy storage system", as well as the concept of "energy storage device", which prevents the



The signing today exemplifies the remarkable progress of the 1GW wind and battery storage project, setting the stage for Kazakhstan's stride towards its clean energy ambitions. The transformative project will have a profound impact on the country's socioeconomic landscape, and we are truly honoured to be an integral part of this journey.

BATTERIE ENERGIESPEICHERSYSTEME KAZAKHSTAN



are properly define battery electric storage systems in the primary and secondary legislation of electricity sector in Kazakhstan. Lack of standardisation and technical requirements (including depending on the type of storage, etc.) are this concerns safety and capacity requirements, testing processes.



ACWA Power has signed a partnership agreement to develop a large-scale wind energy and battery storage project in Kazakhstan with the country's ministry of energy and a sovereign wealth fund. The Saudi Arabian energy and water infrastructure development company said yesterday that the deal was signed with the Central Asian country's Samruk



The following review is based on the analysis of both Kazakhstan laws and international best practices in the field of energy storage systems. Regulatory barriers and recommendations. Regulatory barriers are one of the main stumbling blocks on the way to effective implementation of energy storage system in Kazakhstan.