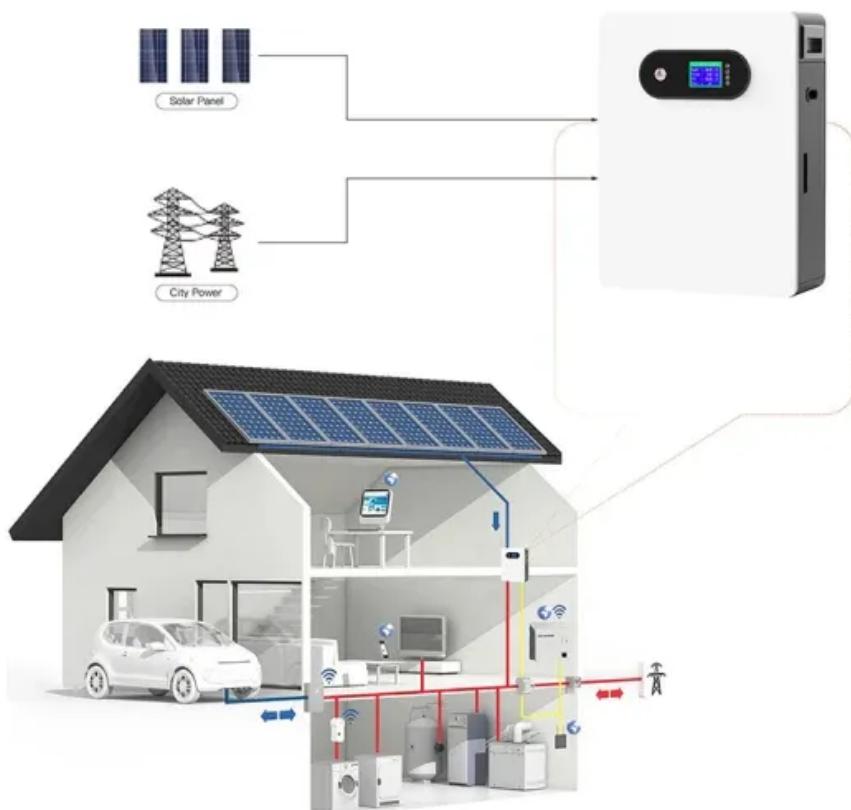


Saudi Arabia behind-the-meter energy storage power station



Overview

The Bisha BESS, owned by Saudi Electric Company , comprises 122 prefabricated storage units designed and supplied by China's BYD. Each unit integrates a 6 MW power conversion system with four lithium iron phosphate battery modules, each boasting a capacity of 5.365 MWh.

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Updated August 29, 2025: Saudi Arabia is making advances in its BESS projects as it launches one of Middle East's largest BESS deployments, a 4GWh BESS project. The nation's battery storage drive comes as HiTHIUM is commissioned with a 4 GWh BESS project in a joint venture between the Saudi.

Saudi Arabia has solidified its position among the world's top ten battery energy storage markets, marked by the commissioning of the 500 MW/2,000 MWh Bisha Battery Energy Storage System in the southwestern province of 'Asir. This facility stands as one of the largest energy storage projects in the.

BYD Energy Storage and Saudi Electricity Company (SEC) have signed a contract to deploy a 12.5GWh grid-scale battery storage system - now the world's largest single project. Combined with an existing 2.6GWh collaboration, their total partnership reaches 15.1GWh. The project supports Saudi Arabia's.

A 2GWh battery energy storage system (BESS) project has gone into operation in Saudi Arabia, according to the engineering, procurement and construction (EPC) firm which delivered it. PowerChina Hubei Engineering, a subsidiary of the Power Construction Corporation of China (PowerChina) said last.

Saudi Arabia has connected a 500 MW/2000 MWh battery energy storage system (BESS) in Bisha, located in the southwestern province of 'Asir. The facility is currently the largest operational single-phase energy storage project

in the world. The Bisha battery energy storage system consists of 122.

Saudi Arabia, long known as an oil-rich powerhouse, is undergoing a historic energy transformation as it seeks to diversify its economy and shift toward a more sustainable future. With the ambitious Vision 2030 plan, the Kingdom is investing heavily in renewable energy, particularly solar and wind.

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