

Energy storage technologies ankara

As a subsidiary of Kontrolmatik, Pomega Energy Storage Technologies Inc. leads Turkey's sustainable energy future with its state-of-the-art Lithium Iron Phosphate (LFP) battery cell Gigafactory located in Polatlı, Ankara. This 100,000 square meter facility is a testament to the company's unwavering commitment to innovation, technological advancement, and environmental responsibility.

The first phase of the Gigafactory was successfully commissioned in 2023, achieving a production capacity of 500 MWh. The second phase is set to begin in the fourth quarter of 2024, increasing the capacity to 2 GWh per year. By 2027, the targeted capacity is to reach 6 GWh per year. Pomega Energy Storage Technologies Inc. is dedicated to promoting sustainable energy solutions through innovative technology and responsible production practices, supporting a greener and more sustainable future for all.

These solutions are ideal for sectors seeking to increase energy independence and reduce their carbon footprint. Pomega's energy storage systems ensure users meet their energy needs without being affected by power outages and reduce energy costs. At the same time, the integration of renewable energy sources supports the use of eco-friendly energy. Pomega's advanced technology energy storage solutions contribute significantly to a sustainable future by increasing energy efficiency.

Pomega distinguishes itself in the sector with its customer-oriented approach and culture of innovation. Committed to the highest quality standards in its products and services, Pomega continually develops innovative solutions through investments in R& D activities. Aiming to maximize customer satisfaction, Pomega responds to all kinds of energy storage needs with flexible and customizable solutions.

With its vision for the future, Pomega aims to strengthen its leading position in energy storage technologies and increase its effectiveness in the global market. Continuing to invest in environmentally friendly technologies in line with its principle of sustainability, Pomega works towards a greener and more sustainable energy future worldwide.

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Pomega Energy Storage Systems (PESS), using the world-proven prismatic lithium ferrous phosphate technology, are systems that store the energy produced at any time and with any energy source and enable it to be reused at the desired place and time.

The main purpose of Energy Storage Systems for electrical networks is to convert and store electrical energy into a form to be stored and transfer it back to the grid as electrical energy when necessary. Energy Storage Systems is installed with control and management systems to support a reliable operating process. The aim is not only to provide local control but also to provide coordinated control of equipment throughout the national grid. PESS can charge and discharge itself to reduce energy costs and control demand load.

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