

## Home energy storage germany

In recent years, the focus on renewable energy sources has intensified, with an increasing number of households seeking ways to harness clean energy for their everyday needs. One pivotal aspect of this movement is energy storage; the ability to capture, store, and utilize renewable energy efficiently. Germany, a global leader in renewable energy adoption, hosts several prominent companies at the forefront of household energy storage solutions. Let's discuss the top 10 household energy storage companies in Germany.

Founded in 2010 and headquartered in Germany, Sonnen produces battery energy storage systems for private households and small businesses. The company is not only Germany's global leader in home energy storage, but also the market leader in renewable energy. It mainly produces, develops, and sells energy storage systems, inverters, battery management systems, and lithium iron phosphate batteries.

Sonnen's energy storage products provide 24/7 access to stored clean energy. The company has systems that can connect homes with solar panels and lithium battery storage, known as "virtual power plants."

Its virtual power plant is connected by thousands of networked systems to form a large virtual power plant, which can respond quickly to grid fluctuations and save consumers 25% (grid price) of electricity costs. German households can also buy or sell excess electricity on the company's new trading platform..

Founded in Germany in 2009, SENEK develops and produces smart power storage systems and provides storage-based energy storage solutions to private households and small and medium-sized enterprises.

The main products are: power storage (SENEK.Home), solar modules (SENEK.Solar), virtual power accounts (SENEK.Cloud) and electric vehicle charging stations (SENEK.Wallbox).

In 2022, SENEK's sales reached 150 million euros, a year-on-year increase of 40%. In 2023, the company once again became the top three suppliers in the German home storage market.

BYD Energy Storage was established in 2008 and focuses on the technology research, development, promotion and application of energy storage systems and equipment. It has formed a complete industrial chain integrating energy storage product research, development, manufacturing, sales, service and recycling. The products fully cover the power grid ESS, industrial and commercial energy storage, home energy storage and other application fields.

BYD's Battery-Box Premium series is a household and commercial energy storage product that uses BYD's blade battery technology and features high energy density, high safety and high cycle life. The



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product series includes three models: LVS, LVL and HVS, with capacities ranging from 3.8kWh to 983kWh, which can meet the needs of different users.

The company has also developed a portable energy storage product, B-Box, which can be plugged into a power outlet to charge and store energy for later use. It is suitable for outdoor activities, emergency backup, distributed power generation and other scenarios, and can provide stable power supply.

E3/DC was established in Germany in 2010. It focuses on photovoltaic energy storage systems for homes and businesses. It is one of the top brands in the field of integrated power generation lithium-ion storage. Its main products include lithium-ion energy storage systems, wall-mounted charging stations, etc.

The company has developed an energy storage system E3/DC S10 E PRO designed for commercial use. This system can provide an output power of up to 120kW, with a maximum capacity of 1.2MWh. It has a high-efficiency three-phase inverter and can achieve up to 99% of the system efficiency, while also supporting emergency backup power functions that can provide power to critical loads during power outages.

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