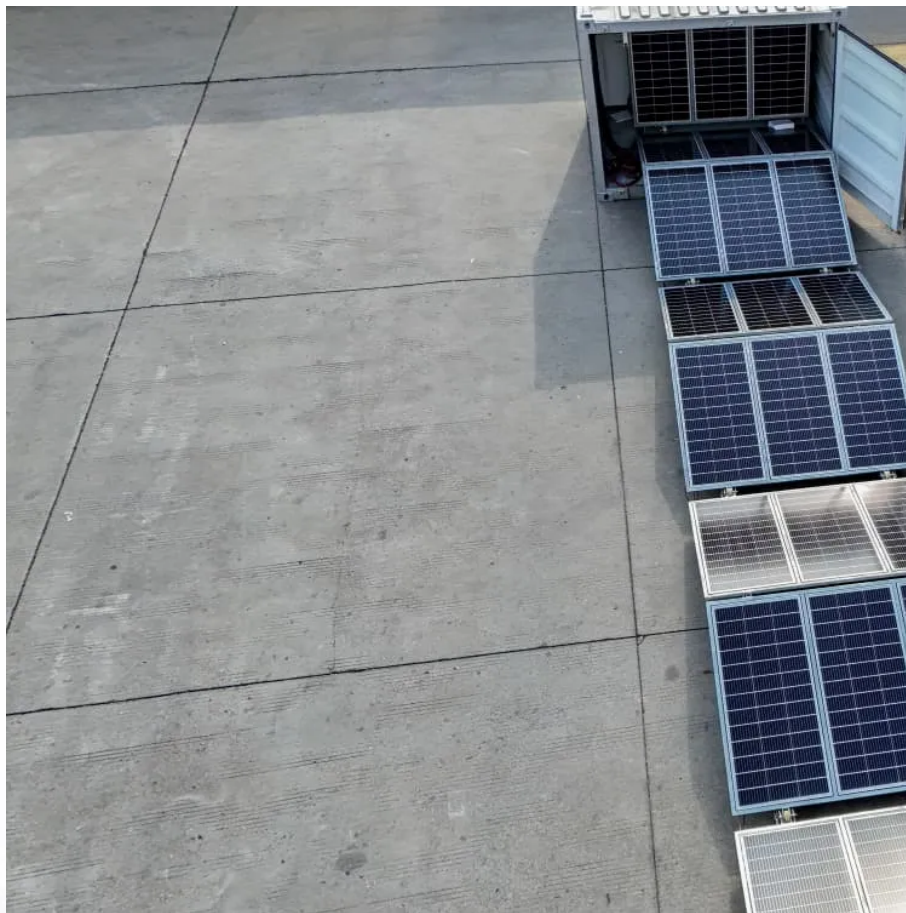


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Is home energy storage common in the EU



Overview

The European home energy storage market is expected to exceed €7 billion by 2025, with over 3 million households projected to have installed battery systems. This shift is not just a personal investment—it's part of a continental transformation toward localized.

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One driver was falling prices, with EUPD Research reporting an average €711 (\$833)/kWh in the first half of the year. From ESS News Demand for residential battery storage systems with up to 20 kWh of capacity remained stable in Europe in the first half of 2025. However, the picture is mixed. Mature.

In 2023, Europe saw the installation of over 17 GWh of new battery energy storage system (BESS) capacity, marking the third consecutive year of doubling the annual market. The significant growth was primarily fueled by the residential sector in response to the energy crisis. During the same year.

The European residential battery storage market under 20 kWh has remained resilient in 2025, with notable growth across mid-sized and emerging markets, according to EUPD Research's latest Electrical Energy Storage (EES) Report© Europe H1 2025. While mature markets such as Germany and Italy began.

Pumped hydro is the most widely used technology for energy storage in Europe and worldwide, but batteries and hydrogen have come into the spotlight over the last decade as a recent trend in the energy storage market. However, despite an exponential growth in Europe's battery energy storage.

The main energy storage method in the EU is by far 'pumped storage hydropower', which works by pumping water into reservoirs when there is an electricity surplus in the grid - for example on a sunny or windy day - and releasing it when more energy is needed. In terms of other energy storage.

Across Europe in 2025, home energy storage systems are becoming a vital part of modern households. Driven by high electricity prices, a surge in solar panel installations, growing eco-awareness, and supportive government policies, more European homeowners are embracing residential battery storage.

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