

EU solar Energy Storage Power Supply





Overview

Can solar power save Europe's energy supply?

It must be built on renewables, flexibility and electrification,” said Dries Acke, Deputy CEO of SolarPower Europe. Solar power and battery energy storage systems (BESS) already play a decisive role in safeguarding Europe’s power supply, saving around €29 billion in fossil fuel imports in the summer of 2022 alone.

How does energy storage work in the EU?

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.

How can European policymakers help the battery storage sector?

RecommendationsHow can European policymakers help the battery storage sectorBattery storage systems are essential for strengthening the EU’s energy security and competitiveness by enhancing flexibility, providing ancillary services to secure the grid, maximising the use of renewable energy, and effectively dealing with energy price volatility.

What is Solarpower Europe?

SolarPower Europe proposes the following measures: - Unlock the full potential of renewables for grid stability by enabling solar, batteries and inverters to provide flexible power, balancing and grid stability services, replacing fossil fuels in these roles.



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