

# Average PV energy storage price per 15MW in Portugal

Can a solar photovoltaic system integrate energy storage in Portugal?

The configuration of a solar photovoltaic system integrating energy storage in Portugal is yet unclear in the technical, energetic and economic point of view. The energy management jointly with the battery operation have great influence in the system configuration's profitability value.

Is energy storage more attractive in Portugal than in Spain?

The energy storage appears to be more attractive in Portugal than in Spain since the storage bids are granted a capacity payment in exchange for hedging the Portuguese electricity system against high market prices.

How much does a solar system cost in Portugal?

The Portuguese Government came into this auction expecting to obtain 33.5 thousand euros per MWh, but the winners ended up paying to 37.1 thousand euros per MWh to the system. Also, the World record for the lowest output price was broken once again with a bid of EUR0.0112/kWh. In Spain, the development of solar energy started earlier.

Is Portugal's solar auction a new era of battery storage?

Portugal's recent PV auction marks a new era of battery storage for the country, says UK consultancy Everoze. It notes that the auction was so competitive that the winners had to cut their expected remuneration in the solar+storage category to negative values.

Is self-consumption suitable for PV solar energy in Portugal?

All the configurations implemented self-consumption, considered to be the current most adequate context to implement PV solar energy in Portugal in the residential sector, regarding the Portuguese legislation.

How has solar technology changed the energy industry in Portugal?

Particularly in solar, there has been a significant reduction of costs associated with PV technology since 2017 which, alongside with the high level of predictability of solar resources, has led to an increase of the number of requests for energy production licenses in Portugal.

Base year installed capital costs for BESS decrease with duration (for direct storage, measured in \$/kWh), while system costs (in \$/kW) increase. This inverse behavior is observed for all energy storage technologies and highlights the ...



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