

# Expected ROI of photovoltaic ESS project in Poland 2026

Will PGE supply ESS batteries in Poland?

SEOUL, March 25, 2025 - LG Energy Solution announced today that it has signed an agreement with PGE, Poland's largest energy sector company, to supply 981MWh of grid-scale ESS batteries between 2026 and 2027. Both companies will collaborate to establish a battery energy storage facility in Zarnowiec, Poland.

Who will supply ESS batteries in Poland?

The contractor on the project will be LG Energy Solution Wrocław. The Polish unit of the Korean battery maker won the project tender offering the price of PLN 1.555 billion (\$384 million). On Monday, LG Energy Solution confirmed that it had signed an agreement with PGE to supply 981MWh of grid-scale ESS batteries between 2026 and 2027.

When will PGE start supplying ESS batteries?

State-owned energy firm PGE plans to start the project's commercial operation in 2027. South Korean battery maker LG Energy Solution (LGES) has signed an agreement with PGE, Poland's largest energy sector company, to supply 981MWh of grid-scale Energy Storage Systems (ESS) batteries between 2026 and 2027.

How big is Poland's photovoltaics market compared to 2022?

Polish photovoltaics reached an installed capacity of 17.08 GW at the end of 2023, and 17.73 GW at the end of the first quarter of 2024. Compared to 2022, the growth of new capacity in absolute terms was similar at around 4.6 GW, but the structure of the market has changed markedly.

How much is LG Energy Solution's ESS contract worth?

The contract is worth several trillion Korean won and marks the company's first supply of Europe-manufactured LFP batteries dedicated to ESS applications. To ensure maximum efficiency of the ESS system, LG Energy Solution is offering a turnkey solution, developed in partnership with European collaborators.

Why is ESS demand increasing in Europe?

Meanwhile, as energy security concerns continue to rise across Europe, demand for renewable energy infrastructure and ESS solutions is growing rapidly. Additionally, advancements in AI are accelerating the expansion of data centers, further driving ESS demand.

LG Energy Solution has signed an agreement to supply 981MWh of grid-scale energy storage system (ESS) batteries to Poland's energy company PGE. The batteries will be ...

As the renewable energy sector rapidly evolves, battery energy storage systems (BESS) are emerging as a critical pillar for decarbonization. However, with capital constraints and rising market ...

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Also in Poland, multi-area investment projects are being implemented, concerning manufacture of cells and PV modules. Much less predictable is the situation regarding speeding up of the power grid development for PV purposes.

The transaction includes Ecobat's facilities in Freiberg and Braubach, Germany, as well as the Arnoldstein operation in Austria. The transaction is expected to close by early 2026, pending regulatory approvals.

The Polish government has also set ambitious renewable energy targets. The National Renewable Energy Action Plan aims for renewable sources to account for 21% of Poland's energy consumption by 2020 and 32% by 2030. Solar ...

5. Poznan Warehouse Complex The project involves the construction of a 12,000m<sup>2</sup> warehouse complex in Poznan, Greater Poland Voivodeship. Construction work ...

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This study investigates the rapid expansion of photovoltaic (PV) investments in Poland from 2015 to 2024, comparing the development of the PV market with other renewable ...

Solar PV capacity accounted for 16.4% of total power plant installations globally in 2023, according to GlobalData, with total recorded solar pv capacity of 1,496GW. This is ...

In this study, a general building of medium size with an Energy Storage Systems (ESS)-connected Photovoltaic (PV) system (energy storage system that is connected to a photovoltaic system) was chosen to develop a tool for a better ...

Poland's installed PV capacity could more than double to 26,791 MW by the end of 2025, based on data from the Polish research institute IEO. Its latest report suggests that this year, the nation ...

A year earlier, EDF Renewables bought its first battery energy storage project, of 50 MW, in Poland which is to be commissioned in early 2026. In mid-December last year, the ...

[BYD Secures Another International ESS Order] On March 3, BYD ESS officially signed a cooperation agreement with Greenvolt Power, a subsidiary of the Portuguese ...

The draft parameters for this year's capacity market auction in Poland could make the rollout of battery energy storage systems (BESS) much more difficult. The document ...

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The draft parameters for this year's capacity market auction in Poland could make the rollout of battery energy storage systems (BESS) much more difficult. The document proposes a significant reduction to the BESS ...

LG Energy Solution has been selected as a business partner for a large-scale energy storage system (ESS) project led by Poland's state-owned power company. On March ...

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