



Average domestic energy storage price per 30MW in Bulgaria

How much does a battery cost in Bulgaria?

Currently, Bulgaria's electricity market offers an opportunity for EUR110 (\$122) per MWh profit on battery energy storage with two hours of discharge capacity using energy arbitrage. Rystad Energy 's analysis estimates battery system costs at a flat EUR60 (\$67) per MWh.

Why is energy storage important in Bulgaria?

In 2023,the Bulgarian Parliament introduced specific legislative amendments regulating the electricity storage. The rationale behind the amendments is to provide balance and flexibility to the power system. Energy storage is a crucial step for low-carbon economy since it enhances the security of supply and the development of renewables capacity.

How much battery energy Storage capacity does Bulgaria have?

Bulgaria has installed between 40 MWh and 50 MWhof battery energy storage capacity to date. However,new national legislation as well as funds provided through the European Union's Recovery and Resilience Facility (RRF) could add another 1 GWh of storage capacity over the next two years.

How much does electricity cost in Bulgaria?

In the beginning of 2022,the average price of electricity in Bulgaria amounts to EUR 131.95 per megawatt,whereas in July last year it was to the tune of EUR 95 per megawatt. However,between July 2021 and January 2022,the price of electricity has fluctuated and at times,it exceeded EUR 300 per megawatt.

How much money does the Bulgarian Energy Ministry provide for energy storage?

The Bulgarian Energy Ministry opened a tender procedure for supply of energy storage on August 21,2024. The procedure aims to provide funding for construction and implementation of a 3,000 MWh stand-alone battery storage facility. The total amount of the grant that can be provided under the procedure is EUR590 million (\$536 million).

Why are electricity prices so high in Bulgaria?

Rising costs for fossil fuels and CO 2 emissionsare already pushing electricity prices in Bulgaria to record high levels. In response,businesses are turning to renewable energy to lower their electricity bills.

The battery storage technologies do not calculate levelized cost of energy (LCOE) or levelized cost of storage (LCOS) and so do not use financial assumptions. Therefore, all parameters are the same for the research and development ...

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