

What is Cellarhead Bess?

The 300 MW/624 MWh Cellarhead BESS will be connected to National Grid's Cellarhead substation in the West Midlands and will play a critical role in stabilizing the UK electricity grid. The project, unveiled earlier this year, is developed by Atlantic Green in partnership with system integrator Ameresco and clean energy manufacturer Envision Energy.

How much does Cellarhead Bess cost?

As part of the Cellarhead BESS project, it entered into an EPC and O&M deal with Ameresco, involving battery supply, balance of plant, warranty, and availability guarantees. The EPC full wrap price stands at around \$249 million, the companies revealed in May.

When will 'Cellarhead' be built?

Construction of the project, dubbed Cellarhead, is set to kick off in the first half of 2022, with plans to connect the project to the grid in the second quarter of 2024. The project is to have estimated annual revenues of £42 million, and an estimated annual EBITDA of £35.5 million.

Which Bess sites are in the UK?

Other large scale BESS sites in the UK include Zenobe Energy's 100MW/107MWh project in Capenhurst, Chester, Harmony Energy and Fotowatio Renewable Ventures' 99MW/198MWh Clay Tye site and a 100MW battery storage facility in Ireland developed by Lumcloon Energy and South Korea's Hanwha Group.

Who owns the Bess energy system?

Tier 1 OEM Envision Energy will provide the BESS and associated services, as well as the equipment warranties. Ameresco and Atlantic Green expect to finish the BESS and secure grid connection by the middle of 2026. Following completion, Atlantic Green will own and operate the BESS as an energy storage asset.

Is Semcorp the largest Bess project in Europe?

Meanwhile, in the UK a number of other large scale BESS projects have been announced in recent months, including a 360MW project from Semcorp that the company is claiming to be the largest in Europe.

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grid using a 300 to 349MW connection, with a storage capacity of c.700MWh.

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Last week, Nofar signed a deal to deploy 400 MWh of energy storage capacity in its home country together with Israel's Mivne Real Estate. It is also developing a 300-MWh project in Israel that will use Tesla batteries.

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With a maximum energy capacity of 624 megawatt hours, the Cellarhead BESS project will support the UK's ambition to achieve net zero, supporting the increased penetration of clean energy generation, decrease reliance on fossil fueled generation, and ultimately mitigate greenhouse gas (GHG) emissions.

Ameresco, Inc., (NYSE: AMRC), a leading cleantech integrator specializing in energy efficiency and renewable energy, today announced that Ameresco and Envision Energy have been chosen by Atlantic Green to build the Cellarhead project, a 300-megawatt (MW) battery energy storage project (BESS) with a maximum energy capacity of 624 megawatt ...



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