

PIENAAR ENERGY (PTY) LTD

Germany s solar container communication station hybrid energy storage



Overview

The 88 battery cubes, each with 16 lithium-ion batteries and a total capacity of 16 MW, store up to 57 MWh of electricity. They can store the surplus electricity from the solar modules during the day and release it into the power grid in the evening or at night when no solar power is. ERLANGEN, Germany, Oct. 08, 2024 (GLOBE NEWSWIRE) -- Fluence Energy GmbH, a subsidiary of Fluence Energy, Inc. (NASDAQ: FLNC) ("Fluence"), a global market leader delivering intelligent energy storage, operational services, and asset optimisation software, will supply and service a 58 MWh. The German Federal Network Agency (Bundesnetzagentur) has awarded 587MW of solar-plus-storage in its latest Innovation Tender. As has been the case in many of Germany's recent solar PV auctions, the Innovation Tender ended up oversubscribed, with 154 bids made for 1.8GW of capacity out of 583MW. Zerbst, Germany / Oslo, Norway, 12 November 2025 – Statkraft, Europe's largest producer of renewable energy, today commissioned Germany's largest solar battery storage hybrid power plant under the Renewable Energy Sources Act (EEG). "With the Zerbst solar park, we have implemented a major energy. Landshut, Germany – Over three years of research, the consortium of the EU project HyFlow has successfully developed a highly efficient, sustainable, and cost-effective hybrid energy storage system (HESS) that can meet high energy and power demands. Located on a 41-hectare former gravel pit near Zerbst/Anhalt in Saxony-Anhalt, the €45 million facility combines a 46.

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18650 3.7V
RECHARGEABLE BATTERY
Li-ion
2000mAh



Statkraft commissions Germany's largest solar battery storage hybrid

The plant has been feeding energy into the grid since October 2025. The renewable hybrid power plant in Zerbst is the first of its kind for Statkraft - developed in-house and connected to ...

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Fluence to provide advanced energy storage systems for Statkraft's

Fluence is a global market leader delivering intelligent energy storage and optimization software for renewables and storage. Our solutions and operational services are helping to create a ...



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Powering Europe's green transition with hybrid energy storage

This enabled researchers to utilise energy storage and hybrid solution facilities on-site and remotely for the first time. The project also presents Europe's first Strategic Research and Innovation Agenda ...

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A postcard from... Germany , Energy Storage Coalition

In Germany, where commercial curtailment during negative pricing is a major concern, this hybrid solution charges the BESS during low-price solar peaks and redistributes energy during ...


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 **TAX FREE**

Product Model
HJ-ESS-215A(100KW/215KWh)
HJ-ESS-115A(50KW/115KWh)

Dimensions
1600*1280*2200mm
1600*1200*2000mm

Rated Battery Capacity
215KWH/115KWH

Battery Cooling Method
Air Cooled/Liquid Cooled



ENERGY STORAGE SYSTEM

How Hybrid Renewable & Storage Projects Can Support Germany

If you're involved in a hybrid project or planning one in Germany, I'd love to hear your insights and experiences. Let's collaborate to continue building this vital part of the energy future.

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Innovation Tender: Germany picks 587MW of solar-plus-storage

To date, it has seen only bids for solar PV and battery projects, but for the first time in the latest round, wind projects combined with energy storage received bids. However, none were ...


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Overcoming the Obstacles in the German Energy Storage



Sector

Hybrid projects that combine solar, wind, and energy storage are essential to meet Germany's clean energy goals. These projects allow for consistent power supply by offsetting the ...

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Efficient, sustainable and cost-effective hybrid energy storage system

The aim of the project was to develop an extremely powerful, sustainable and cost-effective hybrid energy storage system. The project has been realized by Landshut University of ...

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Germany's Largest Solar Battery Storage Hybrid Plant Commissioned

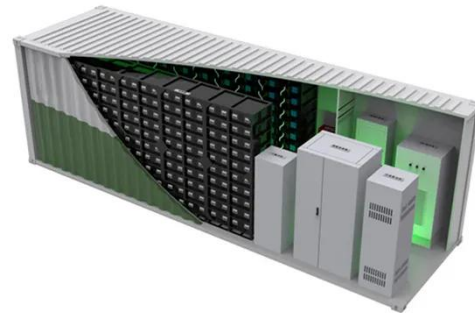
Located on a 41-hectare former gravel pit near Zerbst/Anhalt in Saxony-Anhalt, the EUR45 million facility combines a 46.4 MW solar farm with a 16 MW / 57 MWh lithium-ion battery storage ...

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Storing renewable energy in Germany

We deliver and service comprehensive, powerful and reliable systems, based on both gas and diesel engines, as well as electrified hybrid systems. These clean and technologically ...

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