

SolarInnovate Energy Solutions

4mwh energy storage project



Overview

Italian startup Energy Dome has launched the first demonstrator project of its carbon dioxide-based energy storage solution, a 4MWh system in Sardinia, Italy, while also revealing Series B plans. What is a 4 MWh battery storage system?

4 MWh BESS includes 16 Lithium Iron Phosphate (LFP) battery storage racks arranged in a two-module containerized architecture; racks are coupled inside a DC combiner panel. Power is converted from direct current (DC) to alternating current (AC) by two.

How long does energy storage take?

Construction started just over a year ago, as reported by Energy-Storage.news, and involved a team of experts in turbomachinery, process engineering and energy. The company's technology uses a thermodynamic cycle to store and dispatch energy with a 4-24 hour duration.

Where is energy dome building a new energy storage facility?

The engineering team guided by Mr. Claudio Spadacini, founder and CEO of Energy Dome is building a 2.5MW/4MWh first of a kind energy storage facility in Sardinia, Italy, expected to be launched in early 2022. The plant, with a size of 2.5MWe and 4MWh, will be designed allowing for future storage expansion bringing it to 8MWh and above.

Which VC backers are bringing a 20mw/100mw project to life?

Following an US\$11 million Series A in December its VC backers include 360 Capital, Barclays, Novum Capital Partners and Third Derivative, and the company is now planning to launch a Series B round, it has revealed. The Milan-based startup will use its Series A money to bring a larger, 20MW/100MWh project to life.

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