

ContainerPower Energy Solutions

Advantages of building energy storage power stations in Italy



Overview

Does Italy need electricity storage?

As Italy's energy mix is increasingly composed of variable renewable energy sources, electricity storage will be needed to integrate power generated by renewables into the national grid and make it available when sun and wind energy are not accessible.

Why is energy storage important in Italy?

In addition, electricity storage is critical to avoid congestion in the power grid since most of the renewable production originates in Southern Italy but is consumed mostly in the north. Therefore, PNIEC also provides for the installation of new energy storage infrastructure with the aim of reaching 22.5 GW of installed storage capacity by 2030.

Are battery energy storage systems needed in Italy?

Therefore, battery energy storage systems (BESS) are needed in Italy. The Italian market for BESS is growing rapidly and currently amounts to 2.3 GW but it almost exclusively consists of residential scale systems, associated with small scale solar plants, having a capacity of less than 20 kWh.

How does Italy guarantee a long-term supply system of new storage capacity?

The Italian legislator has acted to guarantee a long-term supply system of new storage capacity by introducing a mechanism based on competitive, transparent and non-discriminatory auctions. The system recognises the right to an annual remuneration, in exchange for the provision of the awarded capacity as part of the national energy market.

Is Italy a leader in industrial energy storage and commercial energy storage?

Accordingly, there is a growing market for industrial energy storage and commercial energy storage projects, positioning Italy as a leader in advanced Italy storage solutions and renewable energy Italy initiatives.

Why should we invest in Italy's digitised energy infrastructures?

The company's commitment translates into both proprietary solutions and adaptation - already today - to the most stringent EU requirements for digitised energy infrastructures. The Italian storage market also represents a key test bed for large-scale integration of renewables and smart grid management.

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