

Global PV Storage Insights

Floor standing battery project financing options in Italy 2025



Overview

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Italy's ambitious drive towards renewable energy integration, targeting 50 GW solar and 28.1 GW wind capacity by 2030, has created distinct pathways for Battery Energy Storage System (BESS) investments – the MACSE auction and Capacity Market auctions. Choosing between these mechanisms involves.

The Rondissone project won a 15-year Capacity Market Contract with the Italian Government in the Q1 2025 auction at €47k/MW per year securing over €115M in revenues over the contract tenor. Under this contract Rondissone will provide flexible capacity to support the Italian Power Grid in exchange.

Renewable Energy Targets: Italy aims for renewables to contribute over 40% of gross final energy consumption and 65% of electricity consumption by 2030, driving significant growth in renewable energy installations. **Energy Storage Goals:** To balance the grid with increased renewable energy, Italy.

The Company's BESS projects in Italy are RTB assets, aiming to secure the necessary permits, grid connection agreements and land rights, priming them for future sale. According to industry sources, these assets, with a combined capacity of approximately 196 MWp, are valued at up to \$13.5 million.

Between 2021 and 2024, this programme allocated €518 million through 34 calls for proposals, financing 79 battery-related projects covering the entire value chain—from raw materials and advanced materials to cells, modules, integration into applications, and end-of-life management. In December last.

Italy is currently among Europe's hottest battery storage markets thanks to its MACSE auction scheme, an established capacity market and the first attempts to go merchant by project developers. This market, however, is becoming increasingly competitive and both micro and macro challenges are. Should you invest in a capacity market in Italy?

The capacity market is well-suited to industrialised northern Italy with its developed infrastructure and higher industrial demand for power. While it offers 15-year contracts like MACSE, investors can stack their capacity payments (payments are then available when needed) on top of what they earn from selling energy in the wholesale market.

What projects will be supported in the battery industry?

Initiatives aimed at improving the adaptability and flexibility of production processes in battery manufacturing will also be supported. In addition, projects demonstrating cost-effective, safe, and sustainable production of battery metals, precursors and active electrode materials will be eligible.

Why is the battery industry struggling in Europe?

Despite the momentum the battery sector is gaining in Europe, there remains a certain dependency on third countries for raw materials, as well as challenges such as regulatory fragmentation, high energy and labour costs, a shortage of skilled battery manufacturing workers, and considerable business uncertainty.

How much energy storage capacity does Italy have?

As of November 2024 Italy had 5.1 GW / 11.7 GWh of energy storage capacity. This is almost exclusively small-scale residential system, with utility-scale storage systems providing just 864 MW. To help achieve the target for utility-scale storage build-out, the Italian government has implemented the MACSE subsidy scheme as supporting legislation.

Why has Brussels stepped up its support for industrial battery production?

In a context of increasing global competition and urgent climate challenges, Brussels has stepped up its support for technological innovation and industrial battery production, aiming to reduce its reliance on third countries and to ensure the stability of the European energy system.

What is the Italian electricity market?

The Italian electricity market is a zonal market, split into seven geographic zones: “North”, “C. North”, “C. South”, “South”, “Calabria”, “Sicily”, and “Sardinia”. Energy producers across each zone receive different prices.

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Financing Energy Storage: A Cheat Sheet

As such, we're providing this "Cheat Sheet for Energy Storage Finance" based on our work as buy-side and sell-side investment bankers experienced in both energy storage venture capital ...



N2OFF Completes \$1.2 million of its \$2.7 million Total

N2OFF Completes \$1.2 million of its \$2.7 million Total Commitment to Finance 196MWp Battery Energy Storage Assets in Italy Provided by

US BESS: Pick your revenue model

Project financing in the US battery storage (BESS) market continues to grow. But this is still no vanilla market. There is a litany of BESS revenue models from state to state - ...



What Investors Want to Know: Project-Financed Battery Energy ...

Battery energy storage systems (BESS) store electricity and flexibly dispatch it on the grid. They can stack revenue streams offering arbitrage, capacity and ancillary services ...

GlobeNewswire Jul 11, 2025, ...



N2OFF Completes \$1.2 million of its \$2.7 million Total

The Company's BESS projects in Italy are RTB assets, aiming to secure the necessary permits, grid connection agreements and land rights, priming them for future sale.

Maximizing Renewable Energy Investments: The Power of ITC Financing

Additionally, the Battery Energy Storage System (BESS) portion of the project could have separate financing terms and investors, as it would likely qualify for a 2025 ...



BBDF 2025: Understanding BESS project bankability

Financing remains one of battery energy storage system's (BESS) biggest talking points, as bankability, risk mitigation, insurance, and more.

Italy's MACSE auction will reshape the Italian storage ...

First up is the lithium-ion battery energy storage systems (BESS) phase, launching in early 2025, with pumped hydro energy storage (PHES) projects following in a subsequent phase. The stakes are high - it's ...



Italian battery projects: An 800MW portfolio in the south , Smart

The developer for all projects will be an undisclosed Italian developer specialising in battery storage systems. The project will use Alfen's The Battery Elements battery storage ...

Floor Standing Energy Storage Battery China

China's Floor Standing Energy Storage Battery are revolutionizing how industries and businesses store energy. With cutting-edge technology, cost advantages, and strong manufacturing ...



Recurrent secures financing for Italian solar-plus ...

The non-recourse debt financing will also cover the co-location of a battery energy storage system in Italy. Image: Recurrent Energy via LinkedIn.

European Market Outlook for Battery Storage 2025-2029

The European Market Outlook for Battery Storage 2025-2029 analyses the state of battery energy storage systems (BESS) across Europe, based on data up to 2024 and ...



Floor-Standing Battery Storage Systems , XIHO Top Lithium Ion Battery

XIHO ENERGY offers reliable floor-standing lithium batteries designed for efficient, long-term energy storage for homes and businesses. Our floor-mounted solar batteries are engineered ...

Italian battery projects: An 800MW portfolio in the ...

The developer for all projects will be an undisclosed Italian developer specialising in battery storage systems. The project will use Alfen's The Battery Elements battery storage system built in a modular design, capable of ...



Nuts and bolts of financing storage , Norton Rose Fulbright

The next big challenge for energy storage, after bringing down the cost so that storage is economic and finding a suitable business model, is financing.

'BESS project financing is rapidly evolving,' says ...

Brady notes that virtual battery offtake agreements are an example of new, innovative financing options. These types of agreements have been deployed at projects such as the 450MWh Victorian Big Battery, the ...



Mobile Floor Standing Energy Storage Battery - Flexible Power, ...

In the era of clean energy and smart power solutions, the Mobile Floor Standing Energy Storage Battery is redefining how homes, businesses, and industries manage ...

Italy's 1st MACSE auction: green light for BESS investors

Project authorisation process must be completed by 26 th August 2025: all stand-alone BESS projects authorised by this date will be eligible for 2028 MACSE auction ...



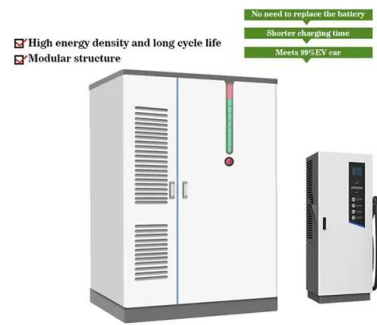
Floor-standing Battery Charger Market Dynamics and Growth

...

Comprehensive Coverage Floor-standing Battery Charger Report This report offers an in-depth analysis of the floor-standing battery charger market, covering market size, ...

BBDF 2025: Challenges and prospects in Italy, Europe's hottest ...

Italy is currently among Europe's hottest battery storage markets thanks to its MACSE auction scheme, an established capacity market and the first attempts to go merchant ...



BESS Investment in Italy: Which Market Option is Best?

Right now, battery storage projects aren't making enough money without some form of government support in Italy - that's why choosing between these market mechanisms is so crucial.

Bison Energy acquires 1.2 GWh BESS in Italy, ...

Just a couple of days after announcing the acquisition of 1.2 GWh of battery energy storage projects in Italy, the Japanese developer has inked a 10-year revenue floor agreement with Engelhart - marking the first deal of its ...



Strategic Analysis of Floor-standing Battery Charger Market Growth 2025

The global floor-standing battery charger market is experiencing robust growth, driven by increasing demand for reliable power backup solutions across various sectors. The market's ...

How banks evaluate energy storage

A solar project is generating during peak hours of the day, the sun goes down and then the battery kicks in for another four hours. Many of the deals bankers see have power ...



BW ESS, ACL Energy to develop 2.9 GW of stand ...

BW ESS and ACL Energy have announced an expansion of their stand-alone BESS project portfolio in Italy, bringing their total development pipeline to 14 projects representing 2.9 GW of capacity across Italy's North and ...

Galileo sells fully permitted battery storage project in Italy to

The strategic location of the project makes it eligible for different offtake solutions, among others to participate in the first auction of the MACSE scheme ("Meccanismo ...



Update on Italian BESS investment case & MACSE ...

Italian BESS investors are now focusing on business models & MACSE bidding strategy 2025 is set to see the start of a surge in Italian storage asset investment, led by BESS. The catalyst for this is the implementation of ...

Backup power for Europe

Italy's MACSE mechanism will offer BESS asset owners a unique business case in the form of a 15-year tolling agreement with the TSO. Asset owners can choose to keep part ...



The Project Financing Outlook for Global Energy ...

As with all project finance transactions, project companies must show that the project can support a steady and reliable stream of cashflows. Traditionally, energy storage projects have had long-term offtake agreements, ...

inspired events 2024 , webinar series vol. 6: BESS ...

BESS financing strategies your building blocks for successful battery financing with guaranteed revenue 30 January, 2025 · 3:00 p.m. CET when developing a battery project, financing is one of the most important ...



Global Floor-standing Battery Charger Market Research Report 2025

The global market for Floor-standing Battery Charger was valued at US\$ million in the year 2024 and is projected to reach a revised size of US\$ million by 2031, growing at a CAGR of %during ...

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