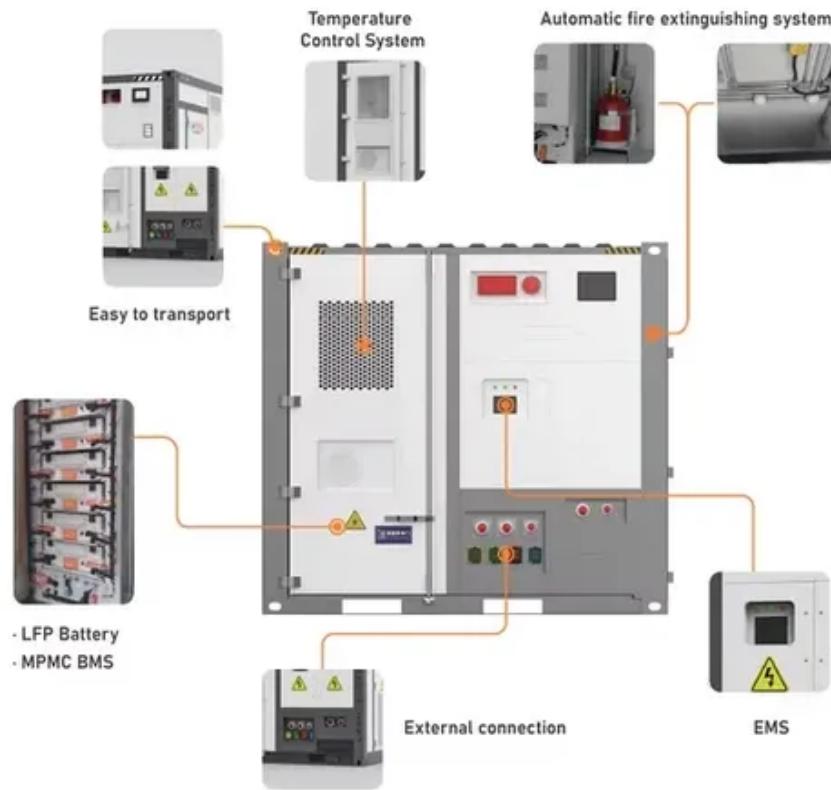




Gigawatt solar distributed energy storage





Overview

— The Solar Energy Industries Association (SEIA) is unveiling a vision for the future of energy storage in the United States, setting an ambitious target to deploy 10 million distributed storage installations and reach 700 gigawatt-hours (GWh) of total installed storage capacity by 2030. — The Solar Energy Industries Association (SEIA) is unveiling a vision for the future of energy storage in the United States, setting an ambitious target to deploy 10 million distributed storage installations and reach 700 gigawatt-hours (GWh) of total installed storage capacity by 2030. — The Solar Energy Industries Association (SEIA) is unveiling a vision for the future of energy storage in the United States, setting an ambitious target to deploy 10 million distributed storage installations and reach 700 gigawatt-hours (GWh) of total installed storage capacity by 2030. These. The Solar Energy Industries Association (SEIA) has announced a target of 700 gigawatt-hours (GWh) of total installed battery storage capacity and 10 million distributed storage installations by 2030. power grid in 2025 in our latest Preliminary Monthly Electric Generator Inventory report. This amount represents an almost 30% increase from 2024 when 48.6 GW of capacity was installed, the largest. Globally, renewable power capacity is projected to increase almost 4,600 GW between 2025 and 2030 - double the deployment of the previous five years (2019-2024). Growth in utility-scale and distributed solar PV more than doubles, representing nearly 80% of worldwide renewable electricity capacity. Partnership integrates DG Matrix's solid-state transformer technology into Exowatt's P3 platform, accelerating the rollout of renewable energy for hyperscale data centers. DG Matrix, the global leader in solid-state transformer (SST) solutions, and Exowatt, the next-generation renewable energy. US thermal solar solutions provider Exowatt has decided to partner with solid-state transformer (SST) specialist DG Matrix to facilitate the integration of its behind-the-meter power systems at gigawatt-scale AI data centres.



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[Solar, battery storage to lead new U.S. generating capacity additions](#)

In 2024, generators added a record 30 GW of utility-scale solar to the U.S. grid, accounting for 61% of capacity additions last year. We expect this trend will continue in 2025, with 32.5 GW of new utility ...

US solar trade body sets a bold target of 700 GWh of battery storage ...

The Solar Energy Industries Association (SEIA) has announced a target of 700 gigawatt-hours (GWh) of total installed battery storage capacity and 10 million distributed storage



[Sunrun Builds the Nation's Largest Distributed Power Plant After](#)

Sunrun dispatched nearly 18 gigawatt-hours of energy from batteries to support grids across America--enough electricity to power 15 million homes for one hour--with a combined peak ...

[Sunrun stock is shining bright as AI-powered power demand sparks](#)

Quintupling Customer Participation For Sunrun
Sunrun is a provider of home battery storage, solar, and home-to-grid power plants delivering new, dispatchable energy to the grid at scale.



[Exowatt teams up with DG Matrix on power systems for AI data centres](#)

US thermal solar solutions provider Exowatt has decided to partner with solid-state transformer (SST) specialist DG Matrix to facilitate the integration of its behind-the-meter power ...



[Solar Trade Group's Plan: 700 GWh of Energy Storage by 2030](#)

The Solar Energy Industries Association (SEIA) published a white paper outlining the industry group's vision for U.S. energy storage, setting a target to install 10 million distributed



[SEIA Announces Target of 700 GWh of U.S. Energy Storage by 2030](#)

-- The Solar Energy Industries Association (SEIA) is unveiling a vision for the future of energy storage in the United States, setting an ambitious target to deploy 10 million distributed ...



[Renewable electricity - Renewables 2025 - Analysis](#)



Higher retail electricity prices following the energy crisis, along with strong policy support, have encouraged individuals and businesses to install solar PV systems with the aim of reducing their ...



[DG Matrix and Exowatt Form Strategic Partnership to Deliver Gigawatt](#)

DG Matrix, the global leader in solid-state transformer (SST) solutions, and Exowatt, the next-generation renewable energy company delivering dispatchable solar for the AI era, today ...

[Energy Storage Deployments Reach 9.6 GWh in Q2 2025](#)

A mixed-use development outside Shanghai integrated 20 MWh of Powerpack plus 5 MW of solar PV, forming a self-sufficient microgrid. During grid outages, the system autonomously ...





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