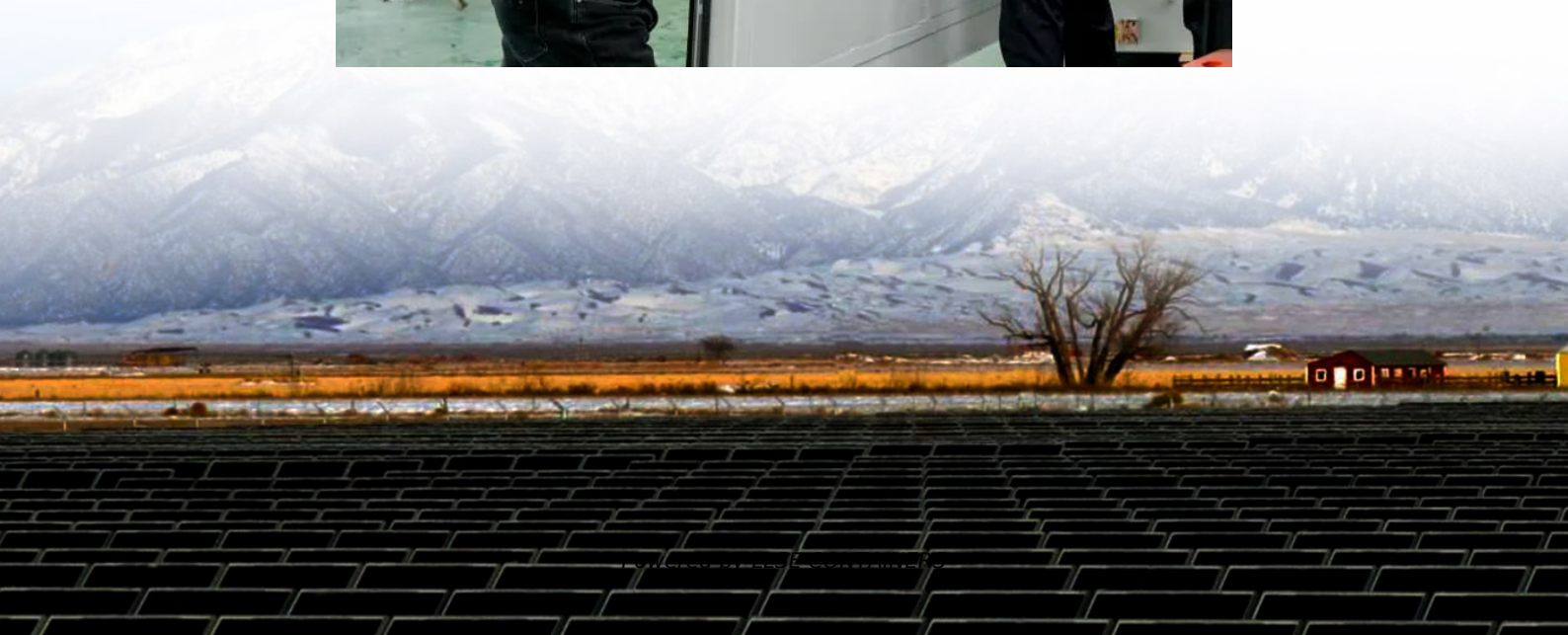


Abu Dhabi solar container battery Project





Overview

ABU DHABI, 14th January, 2025 (WAM) -- In the presence of President His Highness Sheikh Mohamed bin Zayed Al Nahyan, Abu Dhabi Future Energy Company PJSC – Masdar and Emirates Water and Electricity Company (EWEC) today announced the launch of the world's first large-scale 'round the clock' gigascale project, combining solar power and battery storage in Abu Dhabi. Will Dubai's new solar power plant be able to operate 24/7?

The facility will be capable of operating 24/7 on renewable energy. This will also be the world's first 24/7 solar PV, battery storage gigascale project, according to Abu Dhabi Future Energy Company (Masdar) and Emirates Water and Electricity Company (EWEC), which are part of the project.

Will Masdar & EWEC build a solar-plus-storage project in Abu Dhabi?

Masdar and Emirates Water and Electricity Co. (EWEC) plan to build a \$6 billion, 5 GW/19 GWh solar-plus-storage project in Abu Dhabi, with operations set to start by 2027. Emirati state-owned renewable investment company Masdar is partnering with EWEC to build a giant solar and battery energy storage (BESS) facility.

How many GW of solar & battery storage will be produced?

The project will combine 5.2 GW of solar with 19 GWh of battery storage to produce 1 GW of continuous baseload renewable energy. The project was announced today by Sultan Ahmed Al-Jaber, United Arab Emirates Minister of Industry and Advanced Technology, at the opening of the Abu Dhabi Sustainability Summit 2025.

What is the largest combined solar and battery energy storage system?

Delivering up to 1 gigawatt (GW) of baseload power every day generated from renewable energy, it will be the largest combined solar and battery energy storage system (BESS) in the world.



Abu Dhabi solar container battery Project



[Masdar, EWEC world-biggest solar-battery project in Abu Dhabi ...](#)

Jan 15, 2025 · Project combining solar and batteries to provide 1GW of 'round-the-clock' dispatchable power unveiled at Abu Dhabi Sustainability Week.

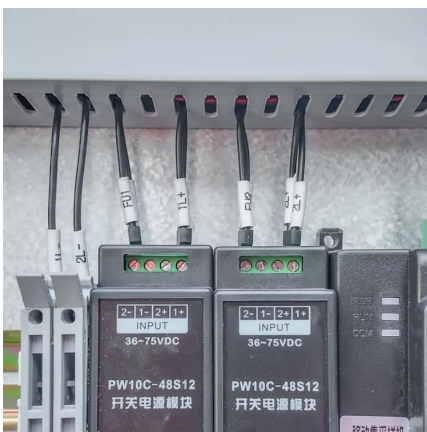
[Abu Dhabi Solar Battery Storage: How the UAE Achieved ...](#)

Oct 26, 2025 · Abu Dhabi Solar Battery Storage is no longer a futuristic concept; it's the operational reality powering the UAE's capital. In a landmark achievement that redefines the ...



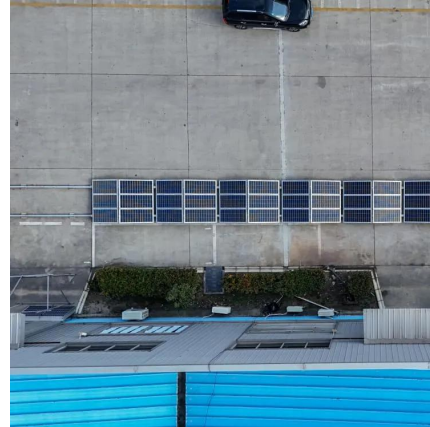
[Battery storage allows the sun to shine in the ...](#)

Jan 20, 2025 · The project was announced at Abu Dhabi Sustainability Week last week, by Dr Sultan Al Jaber, the UAE's Minister of Industry and ...



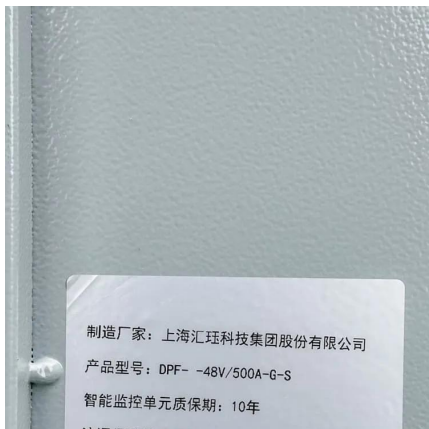
[Masdar, EWEC announce 5 GW/19 GWh solar ...](#)

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[CATL and Masdar Establish Partnership for World's Largest](#)

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Masdar, EWEC announce 5 GW/19 GWh solar-plus-storage project in Abu Dhabi

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[CATL and Masdar Establish Partnership for ...](#)

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[UAE announces world's first 24/7 renewable energy gigascale project](#)

Jan 17, 2025 · World's first 24/7 renewable energy gigascale project unveiled in Abu Dhabi
The 19GWh battery storage facility will enable seamless integration of solar power into the grid.



[L& T selected as an EPC contractor for ...](#)

Jan 28, 2025 · The project, being developed by UAE's Masdar in collaboration with Emirates Water and Electricity Company (EWEC), will ...

[UAE President witnesses launch of world's first 24/7 Solar PV. Battery](#)

Jan 13, 2025 · In the presence of President His Highness Sheikh Mohamed bin Zayed Al Nahyan, Abu Dhabi Future Energy Company PJSC - Masdar and Emirates Water and Electricity ...



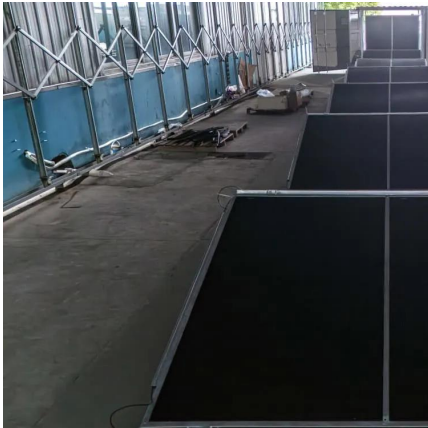
[Abu Dhabi Solar Battery Project Transforms Clean Energy](#)

Oct 25, 2025 · Abu Dhabi has officially launched its Abu Dhabi solar battery project, the world's largest initiative combining solar power with advanced battery storage, worth \$6 billion. This ...



President of Uzbekistan Inaugurates Nation's First Utility-Scale Solar

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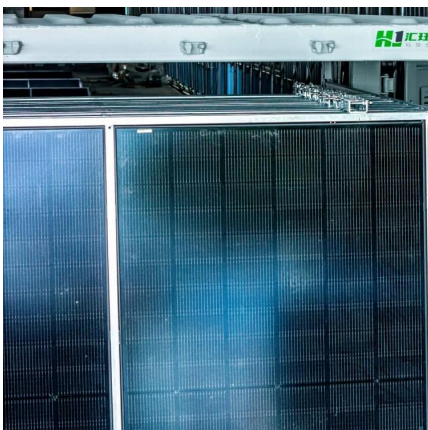


[UAE announces world's first 24/7 renewable ...](#)

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[The UAE makes a giant leap into the energy ...](#)

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[Masdar gets contractors on board for \\$6bn ...](#)

Jan 19, 2025 · Abu Dhabi Future Energy Company (Masdar) has selected the suppliers and preferred contractors for the \$6 billion renewable facility ...



[Introducing the world's biggest 'round the ...](#)

Jan 21, 2025 · The United Arab Emirates will soon host the world's largest "round the clock" solar and battery storage facility, according to plans ...

[Abu Dhabi unveils world's first 24/7 solar and battery storage project](#)

Jan 15, 2025 · The Abu Dhabi solar and battery energy storage system (BESS) facility will combine a 5.2GW solar photovoltaic (PV) plant with a 19GWh battery storage system, making ...



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UAE Launches World's Largest Integrated Solar & Battery Storage Project

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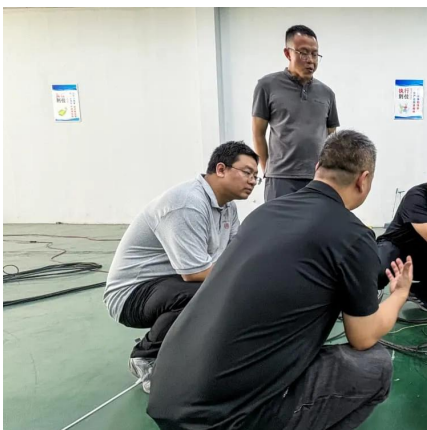


[CATL and Masdar Partner on World's Largest Solar and Battery ...](#)

Jan 21, 2025 · Chinese battery giant CATL and Masdar, the UAE's flagship renewable energy company, have announced a landmark partnership to develop the world's largest solar and ...

[Masdar, EWE world-biggest solar-battery ...](#)

Jan 15, 2025 · Project combining solar and batteries to provide 1GW of 'round-the-clock' dispatchable power unveiled at Abu Dhabi Sustainability ...



[Abu Dhabi Breaks Ground on World's Largest \\$6bn Solar and Battery ...](#)

Oct 26, 2025 · Abu Dhabi -- Abu Dhabi has officially broken ground on the world's largest renewable energy project integrating solar power and battery storage, marking a historic ...



[Abu Dhabi launches world's largest solar and battery storage project](#)

Oct 24, 2025 · Abu Dhabi has officially broken ground on the world's largest renewable energy project integrating solar power and battery storage, a landmark development that will deliver 1 ...



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