



Solar energy storage tajikistan

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Within 10 years (2010-2020) domestic demand has risen by 10% and recent analysis suggests that more than 4000 MW of new generation capacity would be required by 2040 to meet the projected domestic electricity demand and deliver under the commitments related to existing electricity export contracts.

W Energy, a joint venture between Abu Dhabi Future Energy Company (Masdar) and W Solar, plans to develop 500 MW of clean energy projects in Tajikistan, including floating PV installations.

Agreement signed between MW Energy, a joint venture between Masdar and W Solar Investment, and the Ministry of Energy and Water Resources of the Republic of Tajikistan.

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The MoU was signed at the Dushanbe International Investment Forum. The JV now plans to build ground-mounted and floating solar, onshore wind and hydropower projects.

Masdar CEO Mohamed Jameel Al Ramahi stated: "As Masdar and W Solar mark our entrance into the Tajikistan market, this partnership demonstrates the impressive range of utility-scale renewable energy expertise we are able to bring to the table.

"We look forward to supporting the Republic of Tajikistan with its renewable energy goals and harnessing the abundant power of the nation's sun, wind and water to generate clean energy and drive sustainable development."

Tajikistan Minister of Energy and Water Resources Daler Jum" stated: "Tajikistan is committed to increasing its installed electricity generation capacity and growing its promising green energy sector. Our land is blessed with many natural resources, and we look forward to working with partners to harness this potential and meet our energy and development goals.

"By 2030, the installed capacity of generating stations using solar and wind energy should be 700MW; today, 450MW of this is being developed by a feasibility study with the participation of international consulting



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companies with the financial support of international financial institutions. This is a relatively new direction for us, but nevertheless concrete work has already begun."

In September 2023, Masdar and Indonesia's PLN Nusantara Power agreed to expand phase II of the country's Cirata floating photovoltaic power plant by 500MW. This builds on the 145MW first phase of the project, expected to launch later in 2023.

The U.S. Agency for International Development (USAID) representatives yesterday participated in an inaugural ceremony for the new 220-kilowatt Murgab solar power plant, which will be the largest solar power plant in Tajikistan and the highest solar power plant, by elevation, in the world. The project also includes a hybrid energy storage power plant rated for 180-kilowatt hours.

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