

## SolarMax Energy Systems

# Uzbekistan Communications BESS Power Station Project



## Overview

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What is Bess project in Uzbekistan?

The project involves a 500 megawatt alternating current (MWac) solar photovoltaic (PV) plant, 668 megawatt hour (MWh) battery energy storage system (BESS), transmission line and other auxiliary infrastructure and will be one of the first utility-scale renewable energy projects with BESS component in Uzbekistan.

Where is Bess project located in Tashkent?

The PV plant and the BESS facility are situated 3.5 km apart, within Yuqorichirchik District and Parkent District respectively. Both districts are located within Tashkent Region. The overall project location lies about 20 km from Tashkent City.

How many employees does Bess project have?

On the BESS site, an on-site diesel generator will be used for power generation. The Project Company established for the project implementation currently employs a total of 23 employees, 11 of whom are Uzbekistan nationals. The EPC Contractor appointed for projection construction works is China Energy Engineering Corporation (CEEC).

What is a Bess project?

The project aims to expand clean and reliable electricity access to approximately 75,000 households. The project marks Central Asia's first renewable energy initiative with an integrated BESS component.

What is a power purchase agreement between Uzbekistan & national electric grid?

As part of the agreement, it will sell electricity to the state-owned National Electric Grid of Uzbekistan JSC under a 25-year Power Purchase Agreement for the project, including a 10-year operating term for the BESS component,

signed by these two entities.

What does a Bess facility do?

The BESS facility will serve the following main functions: Storage of electrical energy from power sources feeding into the project-associated utility grid during off-peak grid time, and the dispatch of the operating reserves in the event of grid congestion (i.e., instances of power demand exceeding power supply).

## Uzbekistan Communications BESS Power Station Project

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### ACWA Power and Sumitomo Corporation sign joint ...

Both sub-projects are expected to achieve commercial operations between Q2 2026 and Q2 2027. The second set of projects includes Kungrad ...

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### Uzbekistan to get Central Asia's first renewable energy facility ...

The World Bank on Tuesday announced that it will support a 250-megawatt (MW) solar photovoltaic plant with a 63-MW battery energy storage system (BESS) in Uzbekistan -- ...



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### Uzbekistan: Voltalia signs PPA for solar-wind-battery hybrid, ...

A state-owned power company in Uzbekistan has signed a PPA with Voltalia for a project combining solar PV, wind and battery storage.

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## Uzbekistan to Build New Solar Plant and First Battery Energy ...

Introducing the innovative BESS component will improve the efficiency and flexibility of the power system, providing greater security of supply and helping to mitigate the ...

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## BESS O'ZBEKISTAN PROJECT 150MW/300MWh

The BESS O'zbekistan Project in Yapyan City, Fergana Region, Uzbekistan, is a significant step forward in energy efficiency. With a capacity of 150MW/300 ...

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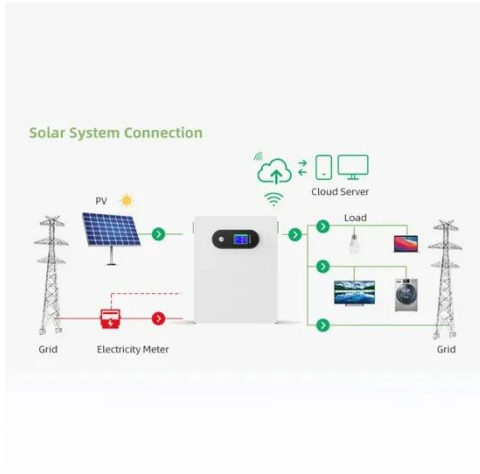
## Uzbekistan Builds First BESS With World Bank Group Support

The World Bank Group, Abu Dhabi Future Energy Company PJSC (Masdar), and the Government of Uzbekistan have signed a financial package to fund a 250-megawatt (MW) ...

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## ACWA hosts groundbreaking ceremony for Uzbekistani energy projects



ACWA Power has hosted a groundbreaking ceremony for the 200 MW Beruniy wind power plant and 100 MW BESS project in Karakalpakstan, Uzbekistan.

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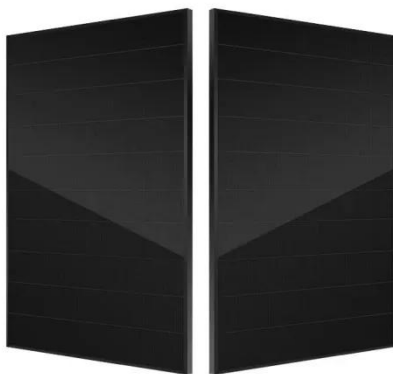
## ACWA Power signs financing agreements for USD533 million

...

London, United Kingdom; 1 July 2024: Saudi-listed ACWA Power, the world's largest private water desalination company, leader in energy transition and first mover into green hydrogen, has ...



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## Uzbekistan : Samarkand 1 Solar PV and BESS Project

The project will involve construction of two PV power plants (100MW and 400MW), pooling station, BESS, loop-in loop-out transmission lines and a 70km overhead transmission ...

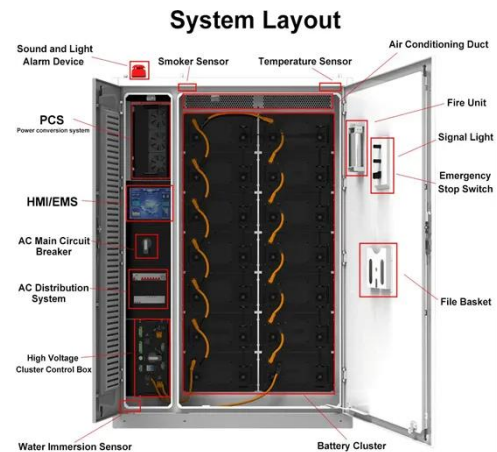
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## Development of Renewable Energy sources in Uzbekistan

Projects with the support of IFC Ministry

of Energy Republic of Uzbekistan The Government of the Republic of Uzbekistan and International Finance Corporation (IFC) signed an agreement to ...

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## World Bank funds Masdar Uzbekistan solar-plus-storage project

Nur Bukhara Solar has already signed a 25-year power purchase agreement (PPA) to sell the plant's electricity to Uzbekistan's state-owned electricity grid, and has ...

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## ACWA Power to develop solar and BESS projects in Uzbekistan

The business intends to construct three PV solar projects in Tashkent and Samarkand, as well as three BESS facilities in Tashkent, Bukhara, and Samarkand. ACWA ...

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## Uzbekistan plans Central Asia's first solar plant with ...



The Asian Development Bank (ADB) and Abu Dhabi Future Energy Company PJSC (Masdar) have signed a \$46.5m loan for constructing ...

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## EBRD invests \$229.4mn for BESS in Uzbekistan; funding for ...

The EBRD is to provide up to \$229.4mn to Saudi's ACWA Power to develop a 500 MWh BESS and a 200 MW solar photovoltaic (PV) power plant in Uzbekistan, reportedly the ...



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## Tashkent Solar PV and BESS Project Republic of Uzbekistan ...

According to the PPA, following the construction of these facilities, the Project Company will be responsible for the operation and maintenance of the PV power plant and BESS facilities for ...

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## BESS LOCHIN PROJECT 150MW/300MWh , CIVIL WORKS

Located in Asaka City, Andijan Region, Uzbekistan, the BESS Lochin Project represents a significant leap in energy efficiency. With 150MW/300 MWh capacity, it optimizes renewable ...

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## Uzbekistan plans Central Asia's first solar plant with BESS

The Asian Development Bank (ADB) and Abu Dhabi Future Energy Company PJSC (Masdar) have signed a \$46.5m loan for constructing a greenfield solar power plant and ...

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## Uzbekistan making progress on green-energy power plan

A green-energy project in Uzbekistan to stabilize the country's electricity distribution system has taken a major step toward launching before the end of 2024.

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## Sazagan-1 Solar PV and BESS (EBRD-54550)

As stated by the EBRD, the project consists of the provision of a long-term,

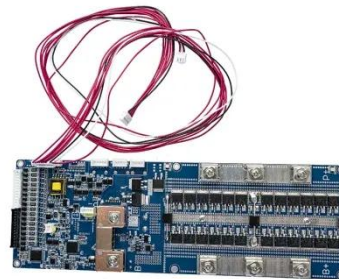


senior loan up to US\$ 70 million, for the development, design, construction and operation of a ...

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## Samarkand I Solar PV and BESS Project Republic of ...

In furtherance of the master agreement, on 19 March 2023, the Joint-Stock Company (JSC) National Electric Grid of Uzbekistan (NEGU) entered into a Power Purchase Agreement (PPA) ...



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## Tashkent Solar PV and BESS Project Republic of Uzbekistan

On 19 March 2023, the National Electric Grid of Uzbekistan (NEGU) JSC executed a Power Purchase Agreement (PPA) with the Project Developer and Project Company. The agreement ...

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## ACWA POWER , Sazagan Solar 1

3 days ago · The Sazagan Solar 1 500 MW PV + 334MW BESS + 220kv 75 km OHTLs project is a greenfield

Independent Power Project IPP that is developed by ACWA Power in the ...

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## Uzbekistan making progress on green-energy power ...

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## BESS O'ZBEKISTAN PROJECT 150MW/300MWh , CIVIL ...

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## Tashkent Solar PV and BESS Project Republic of Uzbekistan

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On 19 March 2023, the Joint-Stock



Company (JSC) National Electric Grid of Uzbekistan (NEGU) entered into a Power Purchase Agreement (PPA) with ACWA Power (hereinafter Project ...

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## ACWA Power signs agreement with Uzbekistan for 2 GWh ...

On November 16, 2024, ACWA Power signed a binding Implementation Agreement (IA) with Uzbekistan's Ministry of Energy to develop up to 2 GWh of standalone ...

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## Uzbekistan to get Central Asia's first renewable energy facility ...

The World Bank, Abu Dhabi Future Energy Company PJSC (Masdar), and the Government of Uzbekistan signed a financial package to fund the Nur Bukhara greenfield solar ...

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