

Global PV Storage Insights

Total investment cost of residential solar battery project in Egypt



Overview

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The project will deliver a 1.1 GW solar photovoltaic (PV) plant and a 200 MWh battery energy storage system (BESS) in the Nagaa Hammadi region of Upper Egypt. Total investment costs are estimated at US\$590 million, with blended finance covering approximately 80 per cent of the total capital.

A key milestone came in July when British International Investment announced plans exceeding \$300 million aimed at supporting two pivotal renewable projects—namely the Gulf of Suez Wind Farm and Obelisk integrated solar-battery project developed alongside Scatec. The Gulf of Suez Wind Farm stands.

The Gulf of Suez Wind Farm, a \$1.2 billion project and Africa's largest onshore wind development, is expected to generate 4,500 GWh annually, helping to avoid 2.5 million metric tonnes of CO₂ emissions per year. BII's \$190 million investment forms part of a broader \$704 million in debt financing.

The European Bank for Reconstruction and Development (EBRD) is supporting Egypt's renewable-energy sector by providing a US\$ 30 million equity bridge to Obelisk Solar Power, a special purpose vehicle owned by Scatec ASA, a leading global renewable energy developer and a key strategic client for.

The Nagaa Hammadi-based Obelisk hybrid solar and battery storage project by Scatec is estimated at USD 590 million. Norway-based renewable energy company Scatec ASA has announced the financial close for its landmark Obelisk hybrid solar and battery storage project in Nagaa Hammadi, Qena.

Scatec ASA has reached financial close for the "Obelisk" hybrid solar and battery storage project in Egypt. The non-recourse project financing comprises USD 479.1 million provided by the European Bank for Reconstruction and

Development (EBRD), African Development Bank (AfDB), and British.

Total investment cost of residential solar battery project in Egypt



\$479M Boost for Egypt's First 1GW Solar-Battery ...

\$479M Boost for Egypt's First 1GW Solar-Battery Project by AfDB, EBRD, BII The project, to be developed by Obelisk Solar Power SAE and led by renewable energy company Scatec ASA, will be located in the Nagaa ...



1MW Solar Power Plant: Real Costs and Revenue ...

For a 1 MW solar power plant, the equipment and hardware typically represent about 70% of the

Egypt Energy Transition

A memorandum of understanding was signed between the General Authority for the Economic Zone of the Suez Canal, the Sovereign Fund of Egypt, the New and Renewable Energy ...



Scatec signs PPA for 1 GW solar and 100 MW/200 MWh battery ...

12 September, Cairo/Oslo: Scatec ASA has signed a USD denominated 25-year power purchase agreement (PPA) with Egyptian Electricity Transmission Company (EETC) for a 1 GW solar ...

total project cost. The most significant investment goes into high-quality solar panel specifications and quantities, ...



The viability of battery storage for residential photovoltaic ...

As a result of the high solar energy potential in Egypt, successive incentive policies had been introduced by the Egyptian electricity authority to encourage the deployment of small-scale ...

Solar energy in Egypt

In recent years, as major economies around the world accelerate energy transformation, Egypt has also vigorously developed renewable energy industries including wind and solar energy in Egypt. This ...



Residential vs. Commercial Battery Energy Storage Systems: ...

Confused about home vs. business battery storage? We break down the key differences in size, technology, cost, and purpose between residential and commercial BESS. ...



\$479M Boost for Egypt's First 1GW Solar-Battery Project by ...

...

\$479M Boost for Egypt's First 1GW Solar-Battery Project by AfDB, EBRD, BII The project, to be developed by Obelisk Solar Power SAE and led by renewable energy ...



EBRD, AfDB and BII support pioneering solar and battery storage project

EBRD, AfDB and BII support pioneering solar and battery storage project in Egypt with \$479m loan The European Bank for Reconstruction and Development (EBRD), ...

BII signs over \$300 million in agreements to accelerate green ...

The Gulf of Suez Wind Farm and the Obelisk solar and battery storage project developed by Scatec will add over 2 GW of clean energy capacity to the national grid and ...

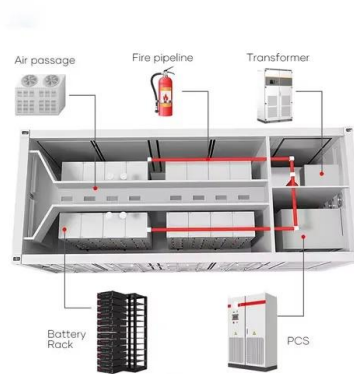


BII, AfDB and EBRD support pioneering solar and battery storage project

On completion, it will be the first integrated solar photovoltaic and battery storage project of this scale in Egypt, and a significant milestone in the country's energy ...

Egypt Expands Renewable Energy with Solar and Storage Projects

Egypt has several renewable energy projects in operation. The Benban Solar Park in Aswan has a total installed capacity of 1.8 GW and is one of the largest solar parks in ...



EBRD provides \$30 mln for Scatec's Obelisk solar power project in Egypt

The project will be one of Egypt's first hybrid renewable energy installations, serving as a pilot for broader adoption of battery-integrated solar.

Solar Installed System Cost Analysis , Solar Market ...

Solar Installed System Cost Analysis NREL analyzes the total costs associated with installing photovoltaic (PV) systems for residential rooftop, commercial rooftop, and utility-scale ground-mount systems. This work has ...



Egypt signs financial closure for 1 GW solar, battery storage project

Egypt on Sunday signed a financial closure agreement for the Obelisk project, a 1-gigawatt solar power plant with 200 megawatts of battery storage, under the country's NWFE ...

Residential Batteries are Establishing their Role in ...

The program covers 25% of the total investment cost. Italy has introduced the Superbonus as a tax credit program, enabling residential users to deduct expenses associated with the installation of residential solar power ...

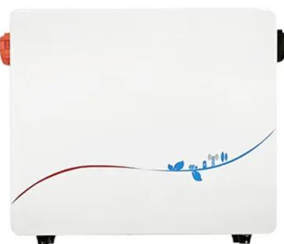


AMEA Power to Develop Largest Solar PV Project in Africa and ...

AMEA Power is investing an additional US\$800 million in two new groundbreaking renewable energy projects in Egypt. This strengthens AMEA Power's position ...

Scatec Secures Financing for Groundbreaking Hybrid ...

A Strategic Vision: The Obelisk project is poised to become Egypt's first integrated solar photovoltaic and battery storage project of this magnitude, ushering in a new era for energy generation in the country.

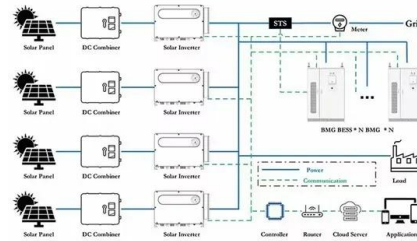


Egypt's Blackout Crisis Sparks Solar-Battery Shift

Milestone Projects Leading the Way 300 MWh BESS in Aswan Egypt's first utility-scale battery energy storage system (BESS) was commissioned in July 2025 by AMEA ...

Scatec Secures \$479 Million for Egypt's Large-Scale Solar+Battery

Norway-based renewable energy company Scatec ASA has announced the financial close for its landmark Obelisk hybrid solar and battery storage project in Nagaa ...



Real Solar Panel Costs Per Square Foot: What ...

Solar panel costs have dropped dramatically over the past decade, making residential solar more accessible than ever. Today's homeowners can expect to pay between \$4 to \$10 per square foot for solar ...

EBRD backs Egypt's first solar and battery storage project

The project is expected to reduce Egypt's CO2 emissions by 1,357,000 tonnes per year. Egypt is a founding member of the EBRD. Since the start of the Bank's operations in ...



BII, AfDB and EBRD support solar and battery storage project in Egypt

British International Investment (BII), the African Development Bank (AfDB) and the European Bank for Reconstruction and Development (EBRD) are providing a total of ...

African Development Bank, British International ...

Source: African Development Bank Group (AfDB) , Jun 16, 2025 African Development Bank, British International Investment and European Bank of Reconstruction and Development support pioneering solar and battery ...



Major Renewable Energy Projects in Egypt

Farafra Solar Grid Owner: KarmSolar (Egypt)
Capacity (Phase 1): 3.4 MW solar PV, 4 MWh/1MW solar battery storage and back-up system of 3.7 MVA diesel generators Location: Farafra ...

Solar Panels in Egypt: Benefits, Costs, and Installation ...

Costs of Solar Panels in Egypt 1. Initial Investment The upfront cost of solar panels in Egypt can vary depending on the size of the system and the specific needs of the property. A typical 5 kWh solar system, suitable for an ...

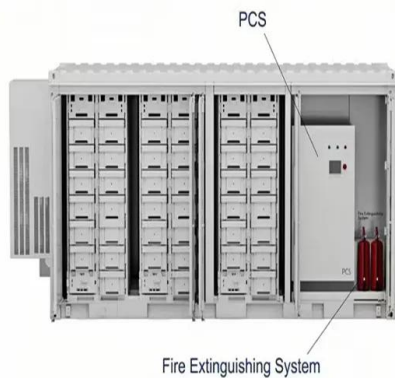


Scatec Locks In \$479M Financing for Egypt's 1.1 GW Solar + 100 ...

Scatec ASA has reached financial close for the "Obelisk" hybrid solar and battery storage project in Egypt. The 1.1 GW solar plus 100 MW/200 MWh battery energy ...

AfDB, EBRD and BII support pioneering solar and battery storage project

(AfDB)-Egypt's first integrated solar and battery storage plant will deliver dispatchable clean energy, enhance grid stability, and manage peak demand. It is expected to ...



EBRD, AfDB and BII support pioneering solar and ...

The European Bank for Reconstruction and Development (EBRD), African Development Bank (AfDB), and British International Investment (BII), the United Kingdom's development finance institution and impact ...

Solaire Egypt for Power Generation Solutions

Who We Are Solaire Egypt was officially established in 2020 after the partners, Ibrahim Hassaballa, Mohamed Ali and Amr Haridi met and realized they form a team with the perfect balance of expertise for renewable energy. The founders ...



AMEA Power Signs PPA for Solar PV and BESS in ...

AMEA Power has signed a Power Purchase Agreement (PPA) to develop Africa's largest solar PV project and the first utility-scale battery energy storage system in Egypt. Investing in renewable energy will increase Egypt's ...

Multilateral lenders commit nearly \$480 million to Egypt's largest

The European Bank for Reconstruction and Development (EBRD), the African Development Bank (AfDB), and British International Investment (BII) have jointly committed ...



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