

SolarInvert Energy Solutions

Senegal energy storage project



Overview

Independent power producer, Africa REN, has commissioned a 20MW of solar PV power plant with a 10MW/20MWh battery energy storage system (BESS) in Senegal. Named the Walo Storage project, it marks West Africa's first solar installation with dedicated energy storage for frequency regulation. Does Senegal have a battery energy storage project?

The national electric utility of Senegal, Senelec, has signed a 20-year CCA with Infinity Power for a battery energy storage project.

How will the energy system work in Senegal?

The system will utilise reserve energy when there are deficits, bring power and grid assets online after failures, and supply electricity to the cities in the northern part of Senegal during power outages.

How much energy has Senegal added in 6 years?

Within 6 years, Senegal has added more than 345MW of clean power, accounting for nearly a quarter of its energy mix. This is a concrete example of the impact of policy implementation prioritising progress towards net-zero and accelerating energy access to above 70%, the 12th highest in Africa.

How will eaif support Senegal's Clean Power Project?

EAIF acted as co-lender alongside the Dutch development bank FMO, to support the development of the €42m landmark project. A Euro equivalent US\$1.5m capital grant extended by PIDG Technical Assistance will ensure the project is designed to maximise supply of clean power to Senegal's grid, whilst remaining economically viable.

Senegal energy storage project



Senegal: Senelec contracts Infinity Power for 160MWh ...

The national electric utility of Senegal, Senelec, has signed a 20-year capacity change agreement (CCA) with developer Infinity Power for a ...

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Senegal switches on inaugural solar-plus-storage facility

Independent power producer Africa REN has commissioned a solar-plus-storage project in Senegal. The Walo Storage project is the first solar installation in West Africa to ...

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ENERGY STORAGE SYSTEM

Product Model
HJ-ESS-215A(100KW/215KWh)
HJ-ESS-115A(50KW 115KWh)

Dimensions
1600*1280*2200mm
1600*1200*2000mm

Rated Battery Capacity
215KWH/115KWH

Battery Cooling Method
Air Cooled/Liquid Cooled





20 MW/11 MWh solar-plus-storage project in Senegal

The project involves the construction of a 20 MW/11 MWh solar-plus-storage project in Senegal. The system will meet 20% of the energy needs of the Grande Côte mineral sands mine.

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**Orrick, Herrington & Sutcliffe LLP
(via Public) / Orrick Advises Energy**

Orrick has advised project company Terenga Niakhar Storage (TNS) and its sole shareholder, Energy Resources Senegal (ERS) on the development and financing of the Terenga Niakhar ...

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Construction Starts at Walo Storage Project in Senegal

The lithium-ion battery energy storage unit is the first battery-storage project in West Africa dedicated to frequency regulation and is designed to stabilize Senegal's grid and ...

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Walo Storage

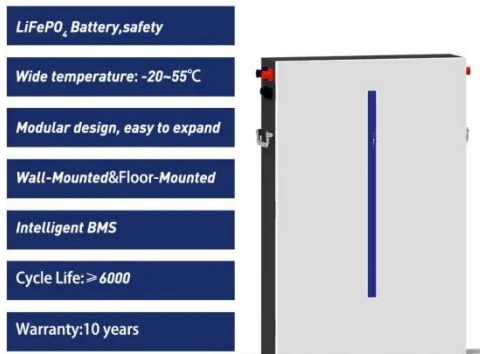
Combining photovoltaic solar with a storage system is a unique solution to meet the current and future needs of the grid. In order to complement and intensify our local impact, Walo Storage is ...

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Energy storage in Senegal

Battery storage offers incredible opportunities for Senegal to reap the benefits of renewables, while ensuring people get a secure, reliable supply of energy. We are excited to begin a ...

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EAIF COMMITS EUR11.5 MILLION TO WEST AFRICA'S FIRST PROJECT ...

The system will utilise reserve energy when there are deficits, bring power and grid assets online after failures, and supply electricity to the cities in the northern part of Senegal during power ...


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Africa REN launches 16 MW hybrid project in Senegal

Africa REN has commissioned Senegal's first solar-plus-storage facility, the Walo Storage project, in Bokhol, northern Senegal. The portfolio integrates a 16 MW solar power ...

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Construction and operation of a 30 MWp photovoltaic solar

Construction and operation of a 30 MWp photovoltaic solar power plant with a 15 MW/45 MWh storage system in Niakhar, Senegal, by Teranga Niakhar Storage.

Contribute to a better ...

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Walo battery to support Senegal's state grid

Construction has started on the Walo storage and PV project in Senegal. Africa REN has commissioned the large-scale solar and battery ...

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With the Launch of Walo Storage, a New Era Begins for ...

Commissioned on July 14, 2025, in Bokhol, Walo Storage is the first solar power facility in West Africa to be coupled with battery energy storage dedicated to frequency ...

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Walo battery to support Senegal's state grid

Construction has started on the Walo storage and PV project in Senegal. Africa REN has commissioned the large-scale solar and battery storage project to

address Senegal's ...

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Senegal: Senelec contracts Infinity Power for 160MWh battery

The national electric utility of Senegal, Senelec, has signed a 20-year capacity change agreement (CCA) with developer Infinity Power for a 40MW/160MWh battery energy ...

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EAAIF, FMO and DEG provide EUR 84 million to AXIAN Energy ...

o The project will provide clean, reliable energy for 235,000 people in Senegal. o Largest photovoltaic with added battery energy storage systems (BESS) project in West ...

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Walo storage project facility

The Emerging Africa Infrastructure Fund (EAIF), a Private Infrastructure Development Group (PIDG) Company, has committed a EUR11.5 loan to develop the first battery ...

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Africa REN commissions 20MW solar-plus-storage plant in Senegal

Independent power producer, Africa REN, has commissioned a 20MW of solar PV power plant with a 10MW/20MWh battery energy storage system (BESS) in Senegal. Named ...

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West Africa's first-of-its-kind frequency regulation BESS online

The project is the first solar and storage one with a BESS dedicated to frequency regulation in West Africa, the firm said. Image: Africa REN. Independent power producer (IPP) ...

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Voltalia, Entech to Develop Solar-Storage Project in Senegal

Voltalia and Entech team up to power Senegal's future with a 60-MW solar park, boosting renewable energy and international collaboration in Africa.

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EAIF COMMITS EUR11.5 MILLION TO WEST ...

The system will utilise reserve energy when there are deficits, bring power and grid assets online after failures, and supply electricity to the cities in the ...

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☒ TELECOM CABINET

☒ BRAND NEW ORIGINAL

☒ HIGH-EFFICIENCY


1075KWHH ESS

Senegal: Solar + storage project leads the way in West Africa

Described as a first for West Africa, a solar PV installation with battery storage project dedicated to frequency regulation has been commissioned in Senegal.

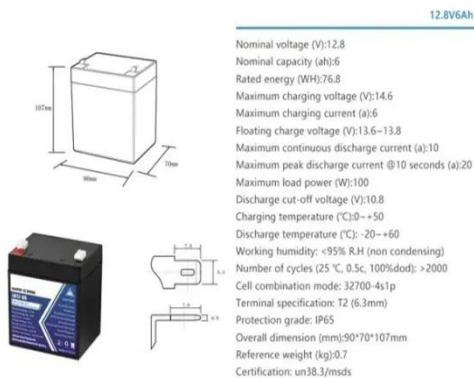
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Senegal closing on universal electricity access

The Senegal Energy Access Scale-Up Project is building and rehabilitating nearly 4,000 kilometers of power lines and will bring electricity to 200,000

households, electrify 600 ...

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Walo Storage

Combining photovoltaic solar with a storage system is a unique solution to meet the current and future needs of the grid. In order to complement and intensify ...

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Construction Starts at Walo Storage Project in Senegal

The lithium-ion battery energy storage unit is the first battery-storage project in West Africa dedicated to frequency regulation and is ...

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Senelec signs pact with Infinity Power for 40MW/ ...

Senegal's national power utility firm Senelec has recently signed a 20-year capacity change agreement (CCA) for a 40MW/ 160MWh (4-hour) ...

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Africa REN secures EUR32M for energy storage project ...

Project to help address grid capacity constraints in Senegal. Energy Storage Africa REN secures EUR32M for energy storage project in Senegal ...

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With the Launch of Walo Storage, a New Era Begins for Senegal's Energy

Commissioned on July 14, 2025, in Bokhol, Walo Storage is the first solar power facility in West Africa to be coupled with battery energy storage dedicated to frequency ...

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Orrick Advises Energy Resources Senegal (ERS) and Teranga ...

Orrick has advised project company Teranga Niakhar Storage (TNS) and its sole shareholder, Energy Resources

Senegal (ERS) on the development and financing of the Teranga Niakhar ...

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APPLICATION SCENARIOS



5 Projects Powering Senegal's Energy Transition

The 60 MWp PV plant will be paired with a 70 MWh battery storage system, enabling three hours of grid support during peak demand. The project aims to enhance grid ...

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