

80kWh Energy Storage Container for a Chemical Plant in Senegal



TAX FREE



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



Overview

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 reduce blackouts.

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[Senegal industrial battery storage systems](#)

The first-of-its-kind project will deliver a range of positive impacts, including greater flexibility in energy management and improved reliability of grid operations. The system will use reserve energy when

[80kWh Energy Storage Container for a Chemical Plant in Senegal](#)

When a Senegalese cashew processing plant lost \$12,000 daily during outages, our 200kW container system provided seamless transition between grid and storage power.



[With the Launch of Walo Storage, Energy Innovation Emerges](#)

With the launch of Walo Storage, Senegal's energy sector enters a new era of sustainable solar power and reliability.

[Senegal poised for West Africa's largest solar power plant](#)

It is the largest photovoltaic power plant with battery energy storage systems (BESS) in West Africa.



[Assessing large energy storage](#)



[requirements for chemical plants](#)

The methodology proposed in this work offers a way to assess large energy storage requirements for renewable electricity-powered chemical plants with no grid connection and no

[Senegal: EPC contract will see May start for solar, BESS project](#)

Work on a solar energy and battery storage project in Senegal, touted to be the biggest in West Africa once it goes live, is set to begin next month after an EPC (Engineering, Procurement and



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

The installation facilitates the increasing integration of solar energy while avoiding the emission of 26,600 tons of CO₂ annually-the equivalent of the yearly emissions of over 18,000 cars.

[Comparison of 80kWh Solar Energy Storage Containers in Dakar](#)

Major projects now deploy clusters of 20+ containers creating storage farms with 100+MWh capacity at costs below \$280/kWh. Technological advancements are dramatically improving solar storage



[Construction Starts at Walo Storage Project in Senegal](#)

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