

ContainerPower Energy Solutions

Sierra Leone solar power station energy storage



Overview

Baoma Solar Power Station, is a 25 megawatts (34,000 hp) power plant under construction in . The first phase of this renewable energy infrastructure with generation capacity of 5 MW is operational and was commercially commissioned in December 2022. The second phase with generation capacity of 20 MW is under construction and is expected to come online in the Q4 of 2023. It is reported to be the first grid-connected solar farm in the country, built under a publi.

The system includes a 4.4MW solar PV installation and a 2.5MW/5MWh energy storage system, supplemented by diesel generators. Scheduled to be operational by the end of 2025, this project aims to resolve the mining site's power supply challenges through a smart, multi-energy complementary solution.

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