

The Government of Mauritius has inaugurated a 20 MW grid-scale battery energy storage system (BESS) at the Amaury Sub-station, marking a significant stride towards its ambitious goal of achieving 60% renewable energy in the electricity mix by 2030.

Grid-Scale Battery Energy Storage System (2MW) at CEB Amaury Substation . The Mauritian energy transition to a low carbon economy is picking up speed. The CEB has installed the first grid-scale Battery Energy Storage System (BESS), the first in its kind in Mauritius, to enable high capacity storage of renewable energy in the grid.

Under the 2022-2023 national budget, the government committed to initiatives including setting up 140MW of hybrid renewables-plus-storage facilities with private entities, investment in about 30MW of ground-mount and commercial solar PV, and the new 20MW battery storage system.

Current, voltage and frequency measurements are taken by the PMU and stored in a data concentrator. The measured quantities include both magnitudes and phase angles, and are time-synchronised via Global Positioning System (GPS) receivers with an accuracy in microsecond.

The 14 MW Grid-Scale Battery Energy Storage System (BESS), spread over four Central Electricity Board (CEB) sub-stations namely La Tour Koenig (2MW), Anahita (4MW), Wooton (4MW) and Jin Fei (4MW), was inaugurated, ...

The four Stor"Sun solar plants located in Trou d'Eau Douce (SS1 and SS2), BalACLava (SS3) and Petite-Riviere (SS4) will integrate large scale Battery Energy Storage Systems (BESS) to provide a clean and firm renewable power to the grid.

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The 18 MW BESS comprise the latest lithium ion, high efficiency battery module technology with an extremely low response time of less than twenty milliseconds. They adopt the "containerised" format, that is, they are enclosed in standard size, but customised (mainly in terms of wall structure, sound and weather proofing and reinforcements ...

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