

# Mauritius electric grid



## Overview

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The access to electricity rate in Mauritius is relatively high at 98. As of 30 June 2024, the electricity grid infrastructure comprised an extensive network of transmission and distribution systems designed to ensure reliable and efficient power delivery to consumers across the country. Below is a detailed breakdown of the grid lengths by voltage levels: Accommodate. Mauritius is grappling with a critical issue: its strained electrical grid. Faced with record-high consumption and outdated infrastructure, the island is compelled to overhaul its energy strategy to pave the way for a sustainable future. The incident exposes a dangerously thin reserve margin in Mauritius's power system and highlights. At a press conference on 8th May 2025, the Minister of Energy and Public Utilities delivered a candid assessment of our electricity sector: ageing infrastructure (both public and private), imminent capacity shortfall, and a system that has been dangerously stretched over the last few months. In its 2021-2022 budget speech, the government announced plans to increase the use of renewable sources of energy for electricity generation.

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### Variable Renewable Energy (VRE) Integration in Mauritius Power ...

The transmission network, operates at 66 kV, transporting power in bulk from the main sources of generation to eighteen 66kV-22kV substations scattered over the island.

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### Disrupting the Status Quo: Rethinking Mauritius' Energy Sector

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### Comparative Analysis of Mauritius's Electricity Capacity and

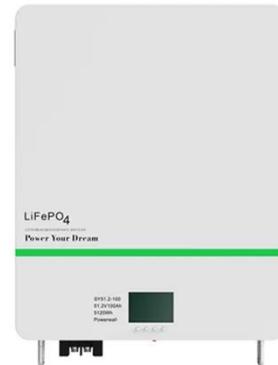
This report provides a comprehensive analysis of electricity production capacity versus consumption in Mauritius from 2005 to 2025, using data from official sources such as Statistics Mauritius, the Central ...

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## TRANSMISSION AND DISTRIBUTION

The transmission and distribution system forms the backbone of electricity supply in Mauritius, ensuring reliable power delivery from generation facilities to customers across the island.

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## Republic of Mauritius

Republic of Mauritius has 31 power plants totalling 490 MW and 157 km of power lines mapped on OpenStreetMap. If multiple sources are listed for a power plant, only the first source is ...

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## Mauritius: Grid Strain Prompts Call for Power Conservation

Mauritius's power system is approaching critical fragility. The outage reveals that the grid can no longer absorb major generation shocks without recourse to demand reduction.

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## Mauritius , Africa Energy Portal

The access to electricity rate in Mauritius is relatively high at 98.8% and recovery rate of 99%. However, power supply remains heavily dependent on imported

fossil fuels, which contribute to the country's ...

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## Navigating Mauritius' overloaded electrical network

Learn how Mauritius is tackling the challenge of its overwhelmed electrical grid, which is marked by unprecedented consumption peaks and heavy dependence on fossil fuels.

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## CEB: GRID INFRASTRUCTURE

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