



SolarTech Power Solutions

Swaziland Energy Storage Power Station Standards



Overview

How can the Eswatini energy system be used to inform policy?

The Eswatini energy system is modelled for analysing energy technology choices. In view of the close correlation between energy sector policy and technology choices, the model considers how the energy system can be used to inform policy.

What is the trend for the Eswatini energy system?

The overall trend for the Eswatini energy system is clear: dependency on electricity imports will remain above 50 % in total electricity production to about 2019, then gradually decrease until 2034 to less than 10 %.

Does Eswatini have access to electricity?

There are several ongoing projects that are geared to improve Eswatini's citizens access to electricity. The current access rate stands at 82%. Eswatini is ranked number 3 in the Southern African region on this measure.

How much power does Eswatini have?

The power plant, which tracks the sun from morning to sunset, generates a capacity of 13.75MW and contributes a guaranteed capacity of 10MW to EEC's power grid. There are several ongoing projects that are geared to improve Eswatini's citizens access to electricity. The current access rate stands at 82%.

What is system planning test – Swaziland (Splat-SW)?

The System Planning Test – Swaziland (SPLAT-SW) model is a planning tool developed by the Eswatini team, expanding on the SPLAT – Southern Africa (SPLAT-S) model originally developed by IRENA. The SPLAT-SW model was developed using the Model for Energy Supply Strategy Alternatives and their General Environmental Impact (MESSAGE) platform.

Who is involved in preparing the energy Mas-Terplan in Swaziland?

The working team comprised experts from the Ministry of Natural Resources and Energy, Swaziland Electricity Company, Swaziland Energy Regulatory Authority, the Central Statistical Office and the University of Swaziland. The team received training on energy statistics use in energy planning tools and on preparation of the Energy Mas-terplan.

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