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Greek outdoor power supply parameters

Overview

What parameters affect the operation of the Greek interconnected power system?

In this study, three (3) simulation scenarios have been defined as a combination of various parameters that affect the operation of the Greek interconnected power system during the period 2026-2055, such as RES and BESS installed capacity, CCGTs availability and interconnections’ capacity.

What are the technical requirements for battery energy storage in Greece?

odulesNote by IPTOThe installation of battery energy storage systems (BESS) in Greece requires the definition of technical requirements to address system needs and secu e system operation.No technical requirements are foreseen for electricity storage1 by the Hellenic Electricity Transmissi.

How does ltsx simulate the Greek wholesale electricity market?

LTSx was developed by the Power Systems Lab of Aristotle University of Thessaloniki and is capable of realistically simulating the Greek wholesale electricity market in the long-term, by solving sequentially: Greek Transmission System Operator (IPTO).

What will Greece's electricity load be in 2023?

ID In the 30-year study horizon (2026-2055) all scenarios follow, in general, the main provisions of the revised Greek National Energy and Climate Plan (NECP). In 2023, the electricity load is projected to reach 51 TWh which is approx. 3% lower compared to the NECP.

Why is there a limit on solar power in Crete?

The Regulatory Authority for Energy (RAE) in Greece set a limit of 100 MW of PV parks to be installed in the fields of Crete in the countryside. The reason was the weak islanded system, the Technical minimum of the conventional Units and the high Wind installed power.

How long will the Greek wholesale electricity market be simulated?

In this study, the Greek wholesale electricity market was simulated for a future 30-year study period (2026-2055) with the integrated simulation tool “Long-Term Scheduling extended” (LTSx).

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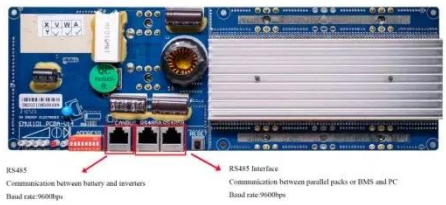

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