

Smart grid electricity Portugal



✓ 100KWH/215KWH

✓ LIQUID/AIR COOLING

✓ IP54/IP55

✓ BATTERY 6000 CYCLES



Overview

The smart grid makes Portugal a more efficient and sustainable country, by optimizing energy systems, reducing CO2 emissions and lower utilization of fossil resources.



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Portugal's EDP bets on a startup's next-gen transformer

Electric utility EDP is partnering with tech startup IONATE to test their Hybrid Intelligent Transformer (HIT), a smart grid solution aiming to increase data visibility and real-time control of the flow of energy in electricity grids.

Financing smart grids & electric mobility (Madeira, Portugal)

On three different islands - Samsø (Denmark), Orkney Islands (UK) and Madeira (Portugal), the project will demonstrate nine different smart grid technologies. On Madeira, an intelligent control and automation system is currently being implemented in the existing grid to provide better management of the distribution network and ensure grid



E-REDES passes 5.5 million smart meter milestone

Portuguese network operator E-REDES has announced surpassing the 5.5 million smart meter mark with meters with active remote services. This corresponds to a coverage of 80% of customers in mainland Portugal.

Portugal's E-REDES launches smart grid street lighting project

According to E-REDES in a release, their FlexIP system has made it possible to test a new



remote communications protocol to create a smart grid and the impact of these solutions on the electricity network.



Development and implementation of Portuguese smart ...

The consolidation of smart grids is inevitably related with the development and actual implementation of different functionalities envisioned for future electric grids. This paper presents the major implementations of smart grid projects in Portugal, which resulted from a close collaboration between academia and industry.

Development and implementation of Portuguese smart ...

This paper presents the major implementations of smart grid projects in Portugal, which resulted from a close collaboration between academia and industry. An overview of the entire development process is presented culminating with the real implementation of the developed concepts.



Smart Grids

The smart grid makes Portugal a more efficient and sustainable country, by optimizing energy systems, reducing CO2 emissions and lower utilization of fossil resources. The smart grid has numerous sensors installed along its extension.



The Project

Aware of its role as an active agent of change, E-REDES launched InovGrid, a project aimed at reaching the technological forefront in terms of smart electricity grids, guaranteeing environmental sustainability, energy efficiency and transparency in customer relations.

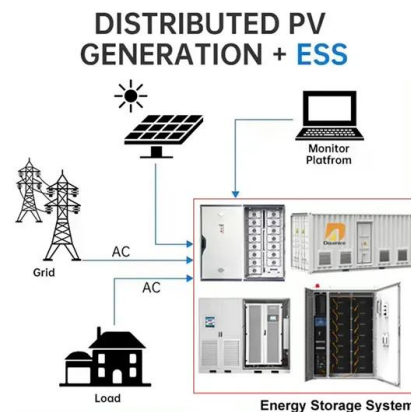


Smart grids

DSO have been installing electricity smart meters in the mainland and in Madeira region. Decree-Law no. 15/2022, of 14 January, orders the integration in a smart grid of every BTN customer in the mainland Portugal, by 2024. Their integration in a smart grid allows customers to access a set of new advanced services.

E-REDES installs 6 million smart meters

The installation of smart meters is a crucial step in the transformation of the electricity sector in Portugal: it allows for more efficient energy management, promotes better energy habits, helps to reduce the carbon footprint and ...





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