

Press release

Connection of electricity meters to smart grids practically completed in mainland Portugal

ERSE – Energy Services Regulatory Authority – today released its report on the status of smart electricity grids, revealing that 99% of Normal Low Voltage (NLV) installations, which mainly cover domestic customers and small businesses, are currently connected to the smart grid.

By the end of the first half of 2025, 99% of NLV electricity customers had a smart meter integrated into the smart grid, thus benefiting from the respective services, such as daily consumption readings or remote changes to contracted power.

The process of installing smart meters and integrating them into the smart grid in mainland Portugal can therefore be considered practically complete, fulfilling the objective set out in Decree-Law No. 15/2022 of 14 January, which stipulated that the integration of meters into the smart grid should be completed by the end of 2024.

Portugal joins other European countries, such as Austria, Estonia, France, Ireland, Italy, Spain, the Netherlands, the Scandinavian and Baltic countries, where smart meters have become widespread.

In mainland Portugal, there are 11 electricity distribution network operators, including E-REDES, which serves 99.5% of customers in BTN. At the end of the first half of 2025, more than 99% of the installations connected to the networks operated by this distributor had smart meters and were integrated into the smart grid, with around 40,000 meters still to be installed and around 70,000 installations to be integrated. E-REDES has installed between 450,000 and 900,000 smart meters per year since 2015.

As for the remaining 10 distribution network operators, responsible for 0.5% of customers in BTN, half have already completed the installation of smart meters (A LORD, A CELER, Cooperativa Eléctrica de Vale d' Este, Cooperativa Eléctrica de Loureiro, Cooperativa Eléctrica de S. Simão de

Novais), although they do not yet offer all the planned services or do not offer them to all customers. Four operators (Casa do Povo de Valongo do Vouga, A Elétrica Moreira de Cónegos, CoopRoriz and Cooperativa Elétrica de Vilarinho) have not yet completed the installation of smart meters and one operator (Junta de Freguesia de Cortes do Meio) has not yet started the installation.

However, all distribution network operators expect that integration into the smart grid will be completed between the end of 2025 and the beginning of 2026.

The report focuses only on mainland Portugal, since in the autonomous regions, the smart grid integration process is only expected to be completed in 2026 in the case of Madeira and in 2028 in the case of the Azores.

The benefits associated with the development of smart grids are especially important at a time of great demand on electricity grids, which are called upon to enable the energy transition, whether through the installation of renewable production or through the increased electrification of domestic, industrial and transport consumption. The emergence and consolidation of new forms of customer participation, including dynamic tariffs, self-consumption, power sharing, electric mobility and the provision of flexibility services to the grid, depend largely on this development.

[Access the Report](#)

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