

## ContainerPower Energy Solutions

# Portugal Smart Mobile Energy Storage Charging Pile



## Overview

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Does Portugal have a good EV infrastructure?

Portugal has achieved strong electric vehicle (EV) adoption—approximately 25–32% new-car EV penetration by 2023—but infrastructure growth must accelerate to keep pace. Its interoperable, nationally unified public network (MOBI.E) supports 7,000–8,000 public charge points today, including ~37% DC units.

What is Siemens EV charging solution?

The integrated EV (Electric Vehicle) charging solution was customized by Siemens engineering and software teams in Portugal. It allows for dynamic and intelligent on-site charging management.

What are the challenges of EV transition in Portugal?

Challenges include high capex, grid constraints, regulatory complexity, uneven access, tourist usability, and public vs. home charging cost differentials. To drive EV transition, Portugal must streamline rollout, reinforce networks, and foster competitive innovation.

How does EDP IMPACT EV & smart-charging?

EDP leads V2G and smart-charging pilots; lack of clear regulation limits scaling. Integration aims at EVs acting as mobile storage to stabilize peak loads. Grid saturation challenges emerging in high-demand areas. MV/LV connection delays (1–3 years) threaten fast-charger rollout. 2. Market Size & Growth Forecast.

What is a charging management dashboard & how does it work?

It allows for dynamic and intelligent on-site charging management. The dashboards, which are intuitive and easy to use, present comprehensive information to the building manager or operator who can instantly view all information about each charger, as well as monitor energy consumption in

real time.

How many public charging points does Mobi support?

Its interoperable, nationally unified public network (MOBI.E) supports 7,000–8,000 public charge points today, including ~37% DC units. Private charging networks grew even faster (+60% in 2023). National targets call for 15,000 public chargers by 2025, funded notably via environmental and EU Recovery Plan incentives.

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