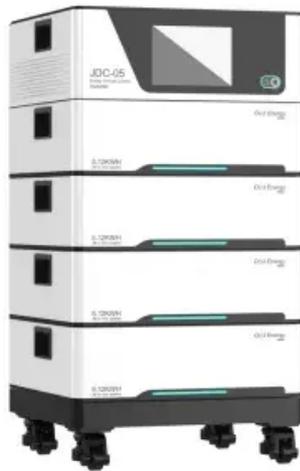


ContainerPower Energy Solutions

Greek energy storage power station electricity sales time



Overview

Should Greece invest in energy storage facilities?

Currently there is a growing interest for investments in storage facilities in Greece. Licensed projects mostly consist of Li-ion battery energy storage systems (BESS), either stand-alone or integrated in PVs, as well as PHS facilities .

How long should energy storage be in a Greek power system?

Considering the energy arbitrage and flexibility needs of the Greek power system, a mix of short (~2 MWh/MW) and longer (>6 MWh/MW) duration storages has been identified as optimal. In the short run, storage is primarily needed for balancing services and to a smaller degree for limited energy arbitrage.

How many renewable electricity auctions will Greece hold in 2024?

The Greek Ministry of Environment and Energy released an updated version of the timetable for renewable electricity auctions. The new schedule sets the time and the capacity for each auction, while it calls for four auctions to be held this year and five in 2024.

How many storage plants are there in Greece?

Currently there are four (4) storage plants operating in Greece, two open-loop pumped-hydro storage (PHS) stations in the mainland (700 MW in total) and two small hybrid RES-storage stations in non-interconnected islands (just 3 MW).

What percentage of Greek electricity consumption is residential?

Historically, residential and commercial-public sector comprise ~70% of total electricity consumption of Greek market. Electricity retail prices were historically consistent in the Greek market until 2021, with minor deviations in end-user prices year over year. upfront prices.

How much electricity does Greece produce a year?

The production of coal in Greece also fell to a record low of 0.05 exajoules and was not consumed for 28 consecutive days that same year. As of 2022, electricity generation in Greece stood at 53 terawatt hours of electricity, making the country rank 15th in electricity production in Europe.

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