

Gema solar container outdoor power





Overview

What is Gemasolar power plant?

Gemasolar is a 19.9 MWe thermosolar power plant with 120 MWt molten salt central receiver. Solar field of 310,000 m² mirror surface. Solar thermal energy collected and stored in molten salts for 15 hours of production, and steam turbine with 3 pressure levels.

Does Gemasolar have a heat storage system?

Gemasolar has a high-temperature heat storage system (>550°C), which allows the plant to operate longer than most conventional solar concentrated solar power (CSP) plants. Sodium and potassium nitrate salts are kept in a molten Powers 25,000 homes.

What is Gemasolar Thermosolar plant / Solar Tres CSP project?

This page provides information on Gemasolar Thermosolar Plant / Solar TRES CSP project, a concentrating solar power (CSP) project, with data organized by background, participants, and power plant configuration.

What is Gemasolar?

Gemasolar is the first commercial plant in the world to use the high temperature tower receiver technology together with molten salt thermal storage of very long duration. Gemasolar is a 19.9 MWe thermosolar power plant with 120 MWt molten salt central receiver. Solar field of 310,000 m² mirror surface.



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Gemasolar solar thermal power plant

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Gemasolar, Central Tower Technology

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