

## PEES Power Systems

# Santiago solar thermal energy



## Overview

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This facility, which covers more than 750 hectares, harnesses the high solar radiation of the Potosí highlands and converts it into electricity using more than 672,000 solar panels plus two substations. The altitude and temperature of the terrain make this photovoltaic plant more. Solar energy is Chile's largest growing source of renewable energy given the country's vast solar resources. In 2024 alone, solar power plants in Chile delivered 18.6 gigawatt hours (GWh) of energy. Utilizing SolarReserve's proprietary solar thermal energy storage technology, the Tamarugal Solar Project in the Tarapacá region of. EDF Energies Santiago Solar PV Park is an 115MW solar PV power project. In 2025, it announced the integration of its subsidiaries EDF Chile and EDF Renewables, consolidating a diversified portfolio that includes hybrid renewable generation projects with storage. A new 1,342-kilometre power line is being planned to help connect solar and wind energy projects to the country's grid. Fuller / Alamy) Chile is set to build its longest power transmission line, as it looks to support its transition to clean energy. Stretching over 1,342 kilometres.

## Santiago solar thermal energy

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### A powerful energy cocktail: Chile is taking the Latin lead

Chile's Atacama desert is home to the only solar thermal tower in Latin America. The imposing 240-meter construction is one of the pillars of the country's ambitious green energy ...

### Chile's longest power line could speed up the shift to ...

Chile is set to build its longest power transmission line, as it looks to support its transition to clean energy.



### Chile Energy

Chile is developing two types of solar technology: solar photovoltaic (PV) panels and solar thermal energy. There are 44 solar PV projects under evaluation, 86 in the approval process, 318 ...

### Chile to have cheaper,

## uninterrupted electricity 24 hours a day from

Utilizing SolarReserve's proprietary solar thermal energy storage technology, the Tamarugal Solar Project in the Tarapacá region of Chile, will comprise three 150 megawatt (MW) ...



## EDF power solutions Chile , EDF Chile

2018 - Commissioning of Santiago Solar, a 115 MW solar plant owned by EDF Group in Chile and AME. 2018 - The EDF Group in Chile, through its subsidiary Generadora Metropolitana, acquires a ...

## Solar power in Chile

In 2013 the Atacama 1 solar complex was proposed as a 110 MW solar thermal electric plant (the first in Latin America) and a 100 MW photovoltaic plant. The solar thermal plant will include 17.5 hours of thermal storage. These technologies complement each other to supply clean and stable energy 24 hours a day. The complex is located in the commune of María Elena, Segunda Región. Construction of the solar thermal electri...





## Power plant profile: EDF Energies Santiago Solar PV Park, Chile

EDF Energies Santiago Solar PV Park is a ground-mounted solar project which is spread over an area of 201.6 hectares. The project generates 210GWh electricity and supplies enough clean ...

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## Solar power in Chile

Construction of the solar thermal electric plant commenced in 2014 and the plant was scheduled to begin operating in the second quarter of 2017, but got delayed significantly.



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## Solar Energy for Electricity and Heat in Chile

The use of solar energy can partly replace electricity generation in conventional power plants, which contributes to achieving the goals of reducing emissions and energy dependence in Chile.



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## Santiago photovoltaic plant

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converts it into electricity using more than 672,000 solar panels plus two substations. ...



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