

## **Chile Solar Energy - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)**

Market Report | 2025-04-28 | 92 pages | Mordor Intelligence

### **AVAILABLE LICENSES:**

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

### **Report description:**

The Chile Solar Energy Market size in terms of installed base is expected to grow from 10.15 gigawatt in 2025 to 26.10 gigawatt by 2030, at a CAGR of 20.8% during the forecast period (2025-2030).

#### Key Highlights

- Over the medium term, increasing demand for solar energy and the declining cost of solar PV systems are expected to drive the Chile solar energy market demand during the forecast period.
- On the other hand, strong dependence on prevailing weather conditions is likely to restrain the market's growth over the forecast period.
- Nevertheless, the advancement in technology aiding the decrease in the cost of solar power plant construction is expected to render an opportunity for market growth over the forecast period.

#### Chile Solar Energy Market Trends

##### The Utility-Scale Solar Energy to Dominate the Chile Solar Energy Market

- The installed solar energy capacity in total power generation in 2013 stood at 0.06%, increasing to 9.8% in 2021. As of 2022, the solar power installed capacity in the country was around 6.250 GW. Additionally, according to a study by the Chilean Association of Power Generators, 2030, solar power will likely reach 30% of total installed capacity, becoming the country's first source of electrical energy.

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- The Chilean government and the country's four largest electric utilities companies, AES Gener, Colbun, Enel, and Engie, reached a voluntary agreement to phase out their coal units, which will end no later than 2040. The phasing out of coal units will likely be carried out in the schedule, and it covers phasing out of the first 1,047 MW of the eight oldest plants by 2024.
- The removal of coal power plants is expected to create additional demand for the installation of new power capacity, which in turn is expected to drive the demand for solar power plants across the country during the forecast period.
- Furthermore, private investments are also steering the market in the country. For example, in 2023, Enel Green Power Chile, a subsidiary of Enel Chile, commenced construction of its new El Manzano solar power park in Tilttil, which will be the company's first large-scale photovoltaic solar power plant in the Metropolitan Region. The new hybrid plant has a net potential of around 99 MW of solar power and a battery system for energy storage.
- The decreasing cost of solar modules, clubbed with the phase-out of coal power plants and supportive government policies, will likely foster the growth of solar power in the country.

#### Increasing Solar Energy Demand to Drive the Market

- According to National Energy Commission (CNE) statistics, as of June 2023, the total installed solar photovoltaic (PV) energy generation capacity in Chile amounted to nearly 7.3 GW. At the same point in time, wind energy is the second most extensive renewable energy source in the country, with a capacity of around 4.2 GW of electricity. Solar PV technology is expected to account for the largest share of new renewable capacity addition in the coming years.
- The solar industry has cut costs dramatically in the past few years through economies of scale. As the market was flooded with equipment, prices plummeted, and the cost of solar panels dropped exponentially.
- Due to the government's favorable policy, the solar power sector in the country grew from almost non-existent in 2012 to over 6.2 GW by the end of 2022.
- In 2022, Colbun SA, the Chile-based investor, submitted an environmental assessment for a 422 MW solar PV plus storage project it plans to build in Chile. The plans include a five-hour, 240 MW battery system, which would be among the largest energy storage installations in the country.
- Moreover, in 2023, the first phase of Repsol Ibereolica Renovables Chile's initial joint solar PV project came online and now produces electricity for the grid. The second phase is still under construction. The installed capacity will reach 596MW once the whole project is completed.
- The increasing solar energy demand will likely boost the solar energy capacity across the country over the forecast period.

#### Chile Solar Energy Industry Overview

The Chile solar energy market is fragmented. Some key players in this market (in no particular order) include Acciona, S.A, JinkoSolar Holding Co., Ltd., Trina Solar Limited, Enel Green Power S.p.A, and First Solar, Inc.

#### Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

#### **Table of Contents:**

- 1 INTRODUCTION
- 1.1 Scope of the Study
- 1.2 Market Definition

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

### 1.3 Study Assumptions

## 2 EXECUTIVE SUMMARY

## 3 RESEARCH METHODOLOGY

## 4 MARKET OVERVIEW

### 4.1 Introduction

### 4.2 Solar Energy Installed Capacity and Forecast, till 2028

### 4.3 Renewable Energy Mix, 2022

### 4.4 Recent Trends and Developments

### 4.5 Government Policies and Regulations

### 4.6 Key Project Information

#### 4.6.1 Existing Projects

#### 4.6.2 Planned and Upcoming Projects

### 4.7 Market Dynamics

#### 4.7.1 Drivers

##### 4.7.1.1 Increasing Solar Energy Demand

##### 4.7.1.2 Declining Cost of Solar PV Systems

#### 4.7.2 Restraints

##### 4.7.2.1 Strong Dependence on Prevailing Weather Condition

### 4.8 Supply Chain Analysis

### 4.9 PESTLE Analysis

## 5 MARKET SEGMENTATION BY DEPLOYMENT

### 5.1 Deployment

#### 5.1.1 Utility-Scale

#### 5.1.2 Distributed Generation

### 5.2 Type

#### 5.2.1 Solar Photovoltaic (PV)

#### 5.2.2 Concentrated Solar Power

## 6 COMPETITIVE LANDSCAPE

### 6.1 Mergers and Acquisitions, Joint Ventures, Collaborations, and Agreements

### 6.2 Strategies Adopted by the Leading Players

### 6.3 Company Profiles

#### 6.3.1 Canadian Solar Inc.

#### 6.3.2 Acciona, S.A

#### 6.3.3 Mainstream Renewable Power

#### 6.3.4 JinkoSolar Holding Co., Ltd.

#### 6.3.5 Trina Solar Limited

#### 6.3.6 Enel Green Power S.p.A

#### 6.3.7 First Solar, Inc.

#### 6.3.8 STI Norland

#### 6.3.9 SunEdison, Inc.

## 7 MARKET OPPORTUNITIES AND FUTURE TRENDS

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

## 7.1 The Advancement in Technology Aiding the Decrease in the Cost of Solar Power Plant Construction

**Chile Solar Energy - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)**

Market Report | 2025-04-28 | 92 pages | Mordor Intelligence

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scott's-international.com

**ORDER FORM:**

Select license	License	Price
	Single User License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scott's-international.com or 0048 603 394 346.

\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-05"/>
		Signature	

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scott's-international.com

www.scott's-international.com

