

Article Overview

Italy hosts several prominent photovoltaic module manufacturers, including 3SUN, Peimar, FuturaSun, and Exe Solar, combining large-scale industrial production with specialized high-performance panels.

3SUN

3SUN, based in Catania, Sicily, is Europe's largest photovoltaic Gigafactory, producing high-efficiency solar cells and modules. Founded in 2010 as a joint venture between Enel, Sharp, and STMicroelectronics, it was fully acquired by Enel in 2015. The factory specializes in bifacial heterojunction (HJT) modules and uses advanced automation for mass production, targeting around 15,000 PV modules per day. 3SUN focuses on efficiency, durability, and sustainability, and has become a leading innovator in the European solar market .

Peimar

Peimar operates in Castegnato, Brescia, producing photovoltaic panels known for quality, reliability, and long-term performance. The company focuses on residential and commercial solar solutions, emphasizing Italian craftsmanship and consistent module performance .

FuturaSun

Founded in 2008 in Cittadella, Padua Province, FuturaSun specializes in high-performance photovoltaic modules and exports to over 70 countries. While its production plants are located in Asia, the company maintains Italian design and quality standards. FuturaSun modules are recognized for excellent yields under low irradiation and high temperatures, long warranties, and stable performance .

Exe Solar

Exe Solar is an Italian manufacturer dedicated to high-quality photovoltaic modules and renewable energy solutions. The company emphasizes sustainability and innovation, producing solar panels designed to support climate-friendly energy development and meet growing global energy demand .

Industry Overview

Italy's photovoltaic sector includes both large-scale factories like 3SUN and medium-to-small specialized producers. Italian manufacturers produce a range of modules, including ultra-lightweight panels for nautical and automotive applications, architectural integration designs, and high-efficiency N-type TOPCon and bifacial HJT modules. The industry is experiencing growth, with the Italian market surpassing 40 GW of cumulative installed capacity by 2025, and continues to expand in both residential and commercial segments .



Italian photovoltaic module company

These companies collectively highlight Italy's technological expertise, innovation, and commitment to sustainable solar energy, offering solutions from mass-market modules to specialized high-performance panels.

Peimar is an Italian company that specializes in the design, research, and production of high-efficiency photovoltaic modules, offering

Peimar is an Italian manufacturer that specializes in high-efficiency photovoltaic modules, offering top-performing solar panels that

The project, named FENICE (FuturaSun advancEd italiaN manufacturIng CEntre), has entered the Grant Agreement

INTESA ENERGIA GROUP is an Italian high-tech company, created by strategic mergers & acquisitions. Intesa Energia specialises

Italian manufacturers of photovoltaic modules and systems. Design and manufacture of standard, custom and coloured photovoltaic

List of Monocrystalline solar panel manufacturers. Directory of companies that make Monocrystalline solar panels, including factory

Top 10 Solar Companies in Italy: discover market leaders, buying and selling opportunities, and financing options on

Since 2008 Eclipse Italia has been designing and manufacturing Italian photovoltaic panels, based on crystalline silicon technology,

Exclusive list of the top Italian PV-Installers. Contains contact details, information about

Detailed info and reviews on 5 top Photovoltaics companies and startups in Italy in 2026. Get the latest updates on

Key Report Takeaways By technology, photovoltaic systems held 99.97% of Italy's solar energy market share in 2025;

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Italian photovoltaic module company

Peimar is an Italian manufacturer that specializes in high-efficiency photovoltaic modules, offering solar panels that meet stringent

Experience and reliability since 1978: We are a point of reference in the Made in Italy photovoltaic sector.

Eccellenza italiana per l'energia del futuro: il mondo Peimar tra innovazione e tecnologia nel settore del

Key takeaway SolarEdge's commercial power optimizer is a device that regulates the direct current and voltage from photovoltaic

Web: <https://millstraining.co.za>

