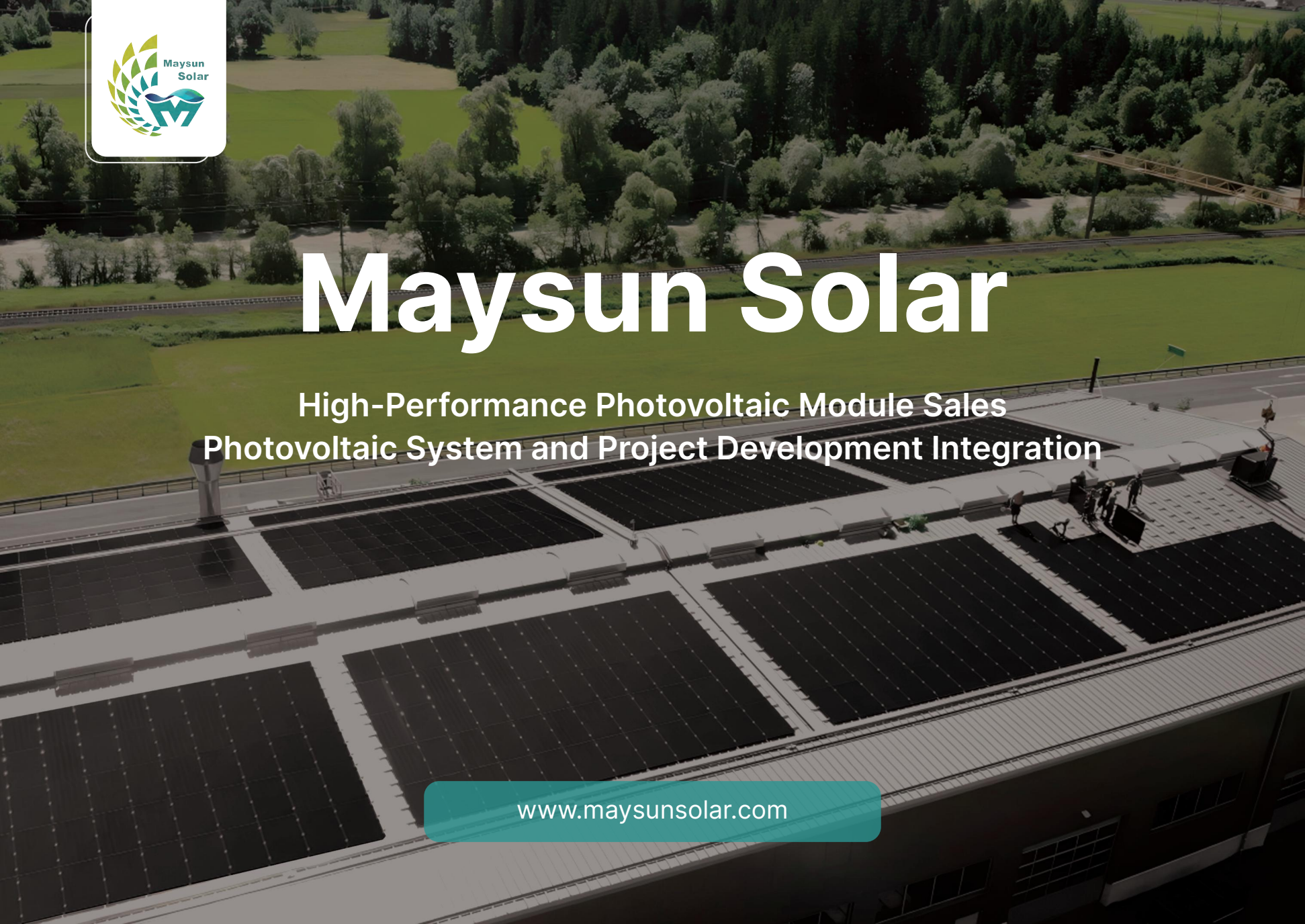


Maysun Solar

High-Performance Photovoltaic Module Sales
Photovoltaic System and Project Development Integration

www.maysunsolar.com

Who We Are

Founded in 2008, we are a photovoltaic module manufacturer headquartered in Hangzhou, China, with multiple branches and warehouses across Europe. We provide solar modules designed for various applications in the European market, including residential rooftop PV, commercial PV, agricultural PV, and ground-mounted solar power stations. Our mission is to drive the growth of the photovoltaic sector in Europe.

Product Features

We offer products specifically developed and designed for European photovoltaic environments

- Residential PV systems use low-temperature, high-output full black three-cut modules and eco-friendly full black IBC modules.
- Commercial and industrial PV systems use durable IBC solar panels and high-value Topcon PV panels for harsh environments.
- Large ground-mounted stations use high-output, high-bifaciality, temperature-resistant 580-720W HJT and Topcon modules.
- Agricultural PV uses high-transparency, ammonia-resistant, waterproof, lightweight PV modules.

Maysun Solar Origins

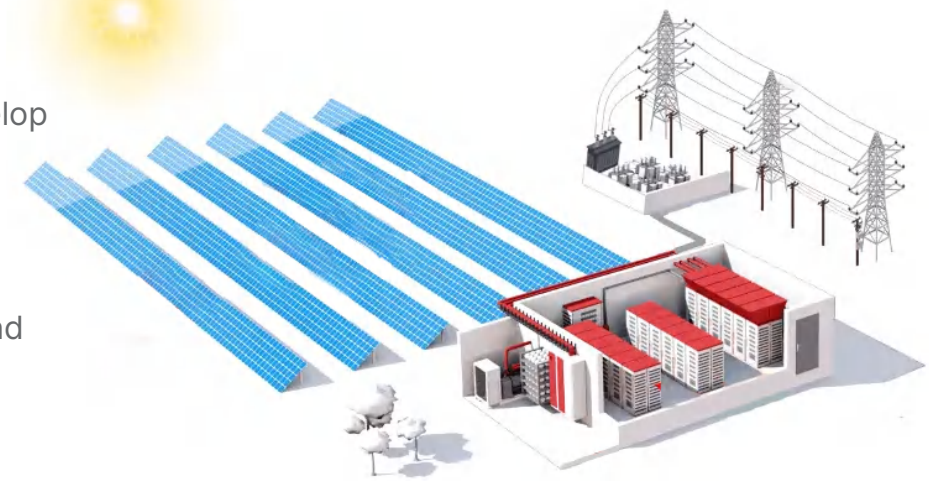
- 2008 Founded as Zhejiang Ganghang Energy Technology Co., Ltd.
- 2009 Photovoltaic production facility completed

Maysun Solar brand was born

- 2015 Maysun Solar brand established
- Production facility established in the UAE
- Maysun Solar trademark is registered in Germany, Italy, France and other countries

PV Project Development & Integration Services

- Collaborate with local Europe PV EPC installers to develop and invest in commercial and industrial PV projects.
- Partner with local companies to establish green, eco-friendly, and subsidized Energy Communities.
- Provide EPC installers with optimal PV module types and inverter selections for best technical integration.
- Match various suitable PV projects for EPC installers, supporting successful project implementation.
- Offer project owners resources such as investors and project acquirers to facilitate PV project development.



Maysun Solar

Maysun Solar

We have localized sales and after-sales teams in Europe, with multiple in-stock warehouses in several countries, providing localized services from pre-sales and consultation to after-sales support, ensuring a quick response to the needs of European PV users.

Our locations

2008 Established

16 years of industry experience

21 global warehouses

60+ countries sales network

2GW annual production capacity

94.000 tons CO_2reduction

Maysun Solar

- Company：Zhejiang GangHang Solar Technology Co., Ltd.
- Address：Room 503-505, Building 10, XinTianDi Business Center, Hangzhou City, Zhejiang Province, China
- Website：www.maysunsolar.com

IBC 425-600W

Advanced Module Technology

Gridless design and high-efficiency back emitter structure enhance photoelectric conversion efficiency, offer exceptional durability, and provide an improved appearance, making it ideal for high-end photovoltaic projects.

- **Invisible Gridless Design**
- **High Efficiency and Durability**
- **Designed for High-End**

Product Warranty

25 years

First-Year Degradation Rate

1.5%

Low Temperature Coefficient

-0.29%/°C

High Power Generation Efficiency

22.5%-23.2%

Module Advantages Overview

- Full Back-Contact Technology
- No Hotspots in Shaded Areas
- No Glare Pollution
- Good Low-Light Performance
- Low Power Loss in High Temperatures
- Unobstructed Design for Better Aesthetics

Twisun Pro 440-460W

TOPCon Modules

1/3 Cut cell technology effectively reduces the impact of shading and heat loss,leading to an overall increase in power generation and energy conversion efficiency.

- Higher efficiency by 7.22% over half-cut modules
- Low current (10A) for minimal energy loss
- Compatible with most inverters and mounting systems
- Lightweight 21 kg for easy installation and low roof load

Product Operating Parameters Assumptions:

1/3 Cut Solar Panels : Taking the Twisun Pro(TOPCon)450W soalr panels as an example,with a current of 10.09A and a voltage of 44.6V.
Half Cut Solar Panels: Taking the TOPCon 450W soalr panels available in the market as an example,which have a current of 13.88A and a voltage of 32.4V.
Assuming that the resistance R of both modules is the same,and the power temperature coefficient for TOPCon modules is -0.29%/°C.Under an ambient temperature of 30°C,the operating temperature of the 1/3 cut module is 60°C .
Scenario Assumption : A 10kW TOPCon system operating for 365 days a year,with an ambient temperature of 30°C and an average sunlight duration of 4 hours per day.

Parameter	1/3 Cut (Twisun Pro)	Half Cut(TopCon)
Power Rating(W)	450	450
Current (A)	10.09	13.88
Voltage (V)	44.6	32.4
Resistance Loss(P_res)	101.81R	192.65R
Temperature Rise(°C)	30	56.7
OperatingTemperature(°C)	60	86.7
Power Loss(%)	-8.7%	-16.43%
PowerLoss(W)	-39.15	-73.94
Annual Energy Loss (kWh)	57.2	108.6

From the above comparisons,it can be observed that 1/3 cut performs better than half cut,making it more suitable for projects with higher demands for efficiency and security.

Feature	1/3 Cut(Twisun Pro)	Half Cut
Power Efficiency Improvement	7.74%improvement over half cut modules	5-7%improvement over full cell modules
Current (A)	9.96-10.16A	13-15A
Operating Temperature	Decreased by 40%over half cut modules	Higher
Weight (kg)	21 kg	22-28 kg
System Compatibility	Standard size(1,998 sq.m)	Some compatibiity issues with certain systems

HJT 420-720W

Most Efficient Module Technology

High-efficiency Silicon Heterojunction (HJT: Heterojunction Technology) combines the advantages of crystalline silicon and amorphous silicon thin-film technology, providing excellent light absorption and passivation performance.

- **Bifacial Efficiency**
- **Low Temperature Degradation**
- **Stronger Power Generation**

Product Warranty

30 years

First-Year Degradation Rate

1.0%

Ultra-Low Temperature Coefficient

-0.24%/°C

High Power Generation Efficiency

21.2%-22.87%

High Bifaciality

95%

Module Advantages Overview

- Low Degradation
- No PID Effect
- Strong Low-Light Performance
- SMBB-18BB Technology
- Uncut Half-Cell Technology
- Low-Temperature Process Reduces Heat Loss, Enhancing Visual Aesthetics

TOPCon 420-710W

Suitable for Various Applications

N-Type TOPCon photovoltaic module is a solar module using advanced N-type silicon wafer technology, offering high power generation efficiency, strong stability, and long lifespan.

- **Bifacial Efficiency**
- **Low Temperature Degradation**
- **Stronger Power Generation**

Product Warranty

30 years

First-Year Degradation Rate

1.5%

High Power Generation Efficiency

21.5%-23.22%

High Bifaciality

85%

Module Advantages Overview

- Strong Low-Light Performance
- MBB Technology
- Stable Performance
- No Light-Induced Degradation (LID)

Balcony Solar PV with 2 lightweight modules, MiniPV 800W

All-Black Visual Design

Lightweight Design

Strong Shadow Resistance

Easy to Install

The Maysun Balcony Solar Power Station is ideal for urban residents with limited space, such as apartment dwellers and renters. It can be easily installed on balconies, terraces, or flat roofs. Unlike typical dual-panel inverter setups, each panel is equipped with a versatile micro-inverter to enhance performance and reduce weight.

- **Plug-and-Play**
- **First-Year ROI >60%**

Maysun Balcony Solar Kit 2.0 includes:

• 2 x Maysun 410W Venusun S / Venusun solar modules (with integrated MOS bypass switch)
• 2 x Hoymiles HMS-400-1A microinverters
• 1 set of AC cables and accessories (5m cable, plug, end cap, T-connector)
• 2 sets of mounting accessories
• DTU (optional)
• Warranty: 12-year product warranty (2-year DTU warranty)

Maysun Solar

Zhejiang Ganghang Energy Technology Co., Ltd.

www.maysunsolar.com
www.maysunsolar.de
www.mssolarmodules.com
www.maysunsolar.it
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www.solar-pvmodules.com