

TOPCON HIGH EFFICIENCY SOLAR PANEL

High Conversion Efficiency | Reliable & Durable



TOPCon
Technology



Up to 25%
Efficiency



Multi-busbar
Full Cell Welding



IP67
Junction Box

IDEAL FOR MULTIPLE OFF-GRID APPLICATIONS



RV Power
System



Marine &
Boat



Balcony
System



Off-Grid
System



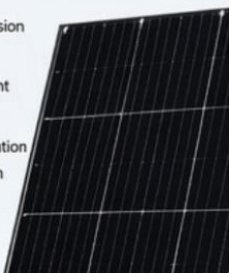
Outdoor &
Camping



TOPCon Solar Cells

New generation high-efficiency technology

- ✓ Higher conversion efficiency
- ✓ Better low-light performance
- ✓ Lower degradation longer lifespan



Up to 25% Efficiency

More power output

25%
HIGH EFFICIENCY



Multi-Busbar & Full Cell Welding

Lower resistance, higher output

- ✓ More current paths
- ✓ Reduced power loss
- ✓ Enhanced reliability



IP67 Junction Box

Professional waterproof protection

- ✓ IP67 waterproof & dustproof
- ✓ Resistant to rain & moisture
- ✓ Safe and reliable



Corrosion-Resistant Aluminum Frame

Anodized aluminum alloy

- ✓ Anti-corrosion
- ✓ Anti-oxidation
- ✓ High strength
- ✓ Long service life



Pre-Drilled Mounting Holes

Easy and quick installation

- ✓ Pre-drilled holes on frame
- ✓ Compatible with various mounting systems
- ✓ Suitable for different installation scenarios



Black Backsheet

All-black design, sleek and durable

- ✓ Better heat dissipation
- ✓ More elegant appearance
- ✓ Enhanced durability



SUITABLE FOR MULTIPLE OFF-GRID SYSTEMS

One panel for multiple applications, providing clean and reliable power anytime, anywhere.



RV Off-Grid System



Marine & Yacht System



Balcony Solar System



Outdoor & Camping



Remote Cabin Power

QUALITY YOU CAN TRUST



High Efficiency



Premium Quality



Easy Installation



Long Lifespan

PRODUCT DETAILS



Tempered Glass
High Transmission



MC4 Connector
Stable Connection



Black Frame
Strong & Durable



Back View
Black Backsheet

SPECIFICATIONS

Cell Type:	TOPCon Monocrystalline
Max Efficiency:	Up to 25%
Junction Box:	IP67 Rated
Frame:	Anodized Aluminum Alloy
Backsheet:	Black
Connector:	MC4 Compatible
Applications:	RV / Marine / Balcony / Off-Grid System
System Voltage:	12V / 24V / 48V



Advantages of N-type TopCon Cells

1. The battery has high conversion efficiency, excellent interface passivation and carrier transport capabilities, and high VOC and FF
2. Excellent parameter performance: It has the advantages of a high bifacial ratio, low attenuation, low-temperature coefficient, and good low-light effect.
3. The process equipment production line has high compatibility and is compatible with high-temperature preparation process production lines of PERC and N-PERT bifacial cells.
4. N-type TOPCon batteries can be combined with SE, IBC, multi-busbar, half-chip, and lamination technologies to significantly improve battery efficiency and module power.
5. Using tempered glass, high transparency.
6. Anti-corrosion EVA effectively protects the battery panel
7. Strong and anti-wind and snow, unique technology to avoid freezing of water in the frame and deformation.
8. Lightweight and flexible features can make it seamlessly integrated into your vehicle.
9. Packed in a single carton, with protective corners on all four corners
10. OEM and ODM supported.

SPECIFICATION

Model number	PC240TMAB
Nominal Power	240W
Cell Efficiency	≥22%
Maximum Power Current	12.94A
Maximum Power Voltage	18.56V
Open-circuit Voltage	21.76V
Short-circuit Current	13.71A
Maximum System Voltage	500V
Output Tolerance	0~+3%
Cable (MC4)	700mm / 2.5mm ²
Module Structure	Aluminum Frame / Glass / EVA /Backsheet
Junction box rating	≥IP67
Cell	182*91-16*4
Working Temperature	-40~+80°C
Module Dimensions	1520*760*30mm
Weight (Net /Gross)	12.8/14.6kg