

360W Polycrystalline Solar Panel for Solar Energy Systems

This 360W polycrystalline solar panel is designed for solar energy systems. It features 5 busbar (5bb) solar cells for improved current collection and enhanced performance.



ADDITIONAL IMAGES



Overview



High-Efficiency Polycrystalline Solar Solution

This 360W polycrystalline solar module utilizes advanced 5-busbar (5bb) technology and a 144-cell half-cut design to maximize power output and efficiency. Engineered for durability, it offers exceptional resistance to PID and maintains high performance even in weak light conditions such as haze or early morning. With a robust build certified for high snow and wind loads, it is an ideal choice for reliable energy production in residential, commercial, and industrial solar systems.

Key Performance Metrics

Performance Highlights

360 W

Max Power (Pmax)

17.9 %

Module Efficiency

5400 Pa

Front Static Load

3800 Pa

Rear Static Load

Electrical Characteristics (STC)

Electrical Data at Standard Test Conditions

Parameter	Value
Maximum Power (Pmax)	360 W
Optimum Operating Voltage (Vmp)	38.3 V
Optimum Operating Current (Imp)	9.40 A
Open Circuit Voltage (Voc)	46.8 V
Short Circuit Current (Isc)	9.80 A
Power Tolerance	0/+5 W

Mechanical Design

Mechanical Specifications

Component	Details
Solar Cells	Polycrystalline silicon 158.75 mm
Cell Arrangement	144 (6 x 24)
Dimensions	2008 x 1002 x 35 mm
Weight	22.5 kg
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 bypass diodes)
Connectors	MC4 compatible

Environmental Resistance

Environmental Durability

- High PID resistance through advanced cell technology
- Salt mist and ammonia corrosion resistant
- Blowing sand resistant (IEC 60068-2-68)
- Operating temperature range: -40 °C to +85 °C
- Optimized for deserts, farms, and coastlines

Quality & Certifications



Compliance & Standards

IEC 61215 • IEC 61730 • CE • VDE • ISO 9001 • ISO 14001 • ISO 45001 • SA 8000

Logistics & Packaging



Shipping Configuration

Container Type	Pieces per Pallet	Total Pieces
20' GP	31	155
40' HC	31	682

Warranty

Warranty Coverage

- 12-year product warranty
- 25-year linear performance warranty
- 97.5% power output in the first year
- Maximum 0.7% annual degradation from years 2 to 25