

150W Polycrystalline Solar Panel

This 150W polycrystalline solar panel is designed for efficient energy conversion. It is constructed with high-quality materials to ensure durability and long-term performance.



Overview

High-Efficiency Polycrystalline Solar Solution

This 150W polycrystalline solar panel is engineered for reliable energy conversion and long-term durability. Featuring a robust anodized aluminum alloy frame and IP65-rated junction box, it is built to withstand demanding environmental conditions. With a 10-year product warranty and compliance with international safety standards including CE, TUV, and UL, this panel is an ideal choice for professional-grade solar installations.

Certifications

Compliance & Standards

CE • TUV • UL

Electrical Performance

Key Performance Metrics

150 W

Maximum Power

15 %

Conversion Efficiency

1000 V

Max System Voltage

Detailed Electrical Data

Parameter	Value
Open Circuit Voltage (Voc)	22.9V
Maximum Power Voltage (Vmp)	18.5V
Short Circuit Current (Isc)	8.57A
Maximum Power Current (Imp)	8.11A
Production Tolerance	0-3%

Mechanical Specifications

Dimensions & Build

- Dimensions: 1482 x 676 x 35 mm
- Weight: 12.0 kg
- Cell Configuration: 36 (4x9)
- Frame: Anodized Aluminum Alloy, 35mm thickness
- Junction Box Rating: IP65

Load Resistance

5400 Pa

Snow Load

2400 Pa

Wind Load

Environmental Limits

Temperature Coefficients

Parameter	Coefficient
NOCT	46±2°C
Current	0.03±0.01 %/K
Voltage	-(0.35±0.01) %/K
Power	-(0.47±0.03) %/K

Operating Temperature

-40 to +85°C