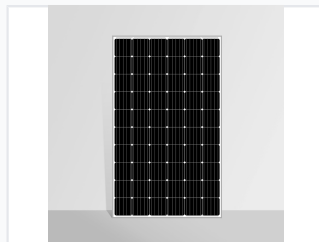


260W-320W Monocrystalline Solar Panel

This monocrystalline solar panel provides a power output ranging from 260W to 320W. It is engineered for optimal energy conversion and long-term reliability in both grid-tied and off-grid solar power systems.



ADDITIONAL IMAGES



Product Overview

High-Efficiency Monocrystalline Solutions

These standard-size monocrystalline solar panels are engineered for both residential and commercial applications, offering a versatile power range from 260W to 320W. Utilizing mature 60-cell production techniques, they ensure high reliability and seamless integration into existing grid-tied or off-grid systems. The panels feature advanced glass texturing and high-transmissivity materials to maximize energy yield even in low-light conditions.

Key Performance Metrics

Performance Highlights

320 W

Max Power Output

20.37 %

Module Efficiency

60 pcs

Cell Count

5400 Pa

Snow Load

Technical Specifications

Electrical Parameters

Parameter	Value
Power Range	260W - 320W
Cell Type	Monocrystalline Silicon
Module Structure	60 Cells (Standard)
System Voltage	1000V / 1500V DC
Fuse Rating	15A
Junction Box	IP67/IP68 rated with 3 bypass diodes
Connectors	MC4 Compatible

Construction & Durability



Detailed view of product components including anti-reflective glass, EVA film, and IP68 junction box.

Build Quality

- Anti-reflective glass with 92% light transmittance
- Anodized aluminum alloy frame for corrosion resistance
- High flame-resistant TPT back sheet
- UV resistant against aging
- PID-free treatment available upon request
- Wind load resistance up to 2400 Pa

Certifications & Warranty

Compliance & Protection

CE • TUV • IEC • ISO • UL Certified • 12-Year Workmanship • 25-Year Linear Power

Thermal Characteristics

Temperature Ratings

- Operating Temperature: -40°C to $+85^{\circ}\text{C}$
- NMOT: $41\pm 3^{\circ}\text{C}$
- P_{MAX} Temp Coefficient: $-0.37\%/^{\circ}\text{C}$
- V_{OC} Temp Coefficient: $-0.29\%/^{\circ}\text{C}$
- I_{SC} Temp Coefficient: $0.05\%/^{\circ}\text{C}$

Application Benefits

Core Advantages

- Standardized dimensions for high compatibility across manufacturers
- Mature production techniques ensuring consistent quality control
- Optimized for rooftop, residential, and utility-scale projects
- Excellent performance in weak light environments
- Low resistance half-cell structure options for improved LCOE