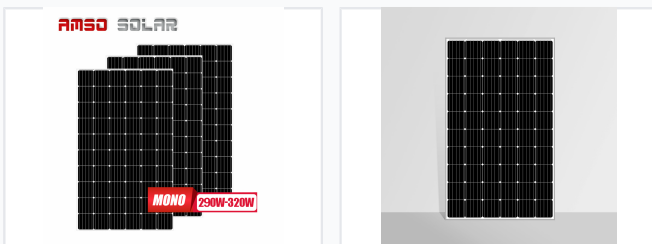


# 260W-320W Monocrystalline Solar Panel

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:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- NMOT:  $41\pm 3^{\circ}\text{C}$
- P<sub>MAX</sub> Temp Coefficient:  $-0.37\%/^{\circ}\text{C}$
- V<sub>OC</sub> Temp Coefficient:  $-0.29\%/^{\circ}\text{C}$
- I<sub>SC</sub> 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