

# 310W Monocrystalline Solar Panel

This high-efficiency 310W monocrystalline solar panel is designed for residential and commercial use. It features durable construction and a 25-year warranty for long-term reliability.



## Overview

### High-Performance Monocrystalline Solar Module

This 310W monocrystalline solar panel is engineered for both residential and commercial applications, offering a robust solution for grid-tied and off-grid energy systems. Built with high-quality raw materials and advanced photovoltaic technology, it ensures reliable energy conversion and long-term durability. The module is backed by a 12-year product warranty and a 25-year peak efficiency warranty, providing peace of mind for professional installations.

## Certifications & Warranty

### Warranty Coverage

- 12 years product warranty
- 25 years peak efficiency warranty

### Certifications

TUV, CE, CEC, ISO

## Technical Specifications

### Maximum Power (Pmax)

**310 W**

Rated Power

### Electrical Parameters (at 310W)

Parameter	Value
Voltage at Max Power (Vmp)	32.40 V
Current at Max Power (Imp)	9.57 A
Open Circuit Voltage (Voc)	38.88 V
Short Circuit Current (Isc)	10.05 A

### Efficiency

Type	Efficiency
Cell Efficiency	21.66%
Module Efficiency	19.25%

## Mechanical & Environmental

### Construction Materials

- Tempered glass front cover (3.2mm)
- TPT Back cover
- EVA Encapsulant
- Aluminium alloy frame

Dimensions	1640 x 992 x 35 mm
Weight	17.5 kg
Operating Conditions	-40°C to +85°C
Max Load	2400 Pa (Wind/Snow)