380W Monocrystalline Solar Panel for Home Systems

This 380W monocrystalline solar panel is designed for solar home system use. The solar module provides excellent performance and reliability for residential and commercial solar power generation.

ADDITIONAL IMAGES

Product Overview

High-Performance Monocrystalline Solar Module

This 380W-385W monocrystalline solar panel is engineered for reliability and high power output in residential and commercial home systems. Featuring advanced cell technology, it offers superior performance in weak light conditions, such as cloudy or early morning settings, while maintaining high resistance to Potential Induced Degradation (PID). Built to endure demanding environments, the module is certified for high static load resistance and includes a durable IP68-rated junction box for long-term outdoor use.

Electrical Characteristics

Electrical Characteristics (STC)

Parameter	Value
Maximum Power (Pmax)	385 W
Optimum Operating Voltage (Vmp)	40.3 V
Optimum Operating Current (Imp)	9.56 A
Open Circuit Voltage (Voc)	48.1 V
Short Circuit Current (Isc)	10.07 A
Module Efficiency	19.1%

Technical Specifications

Temperature Coefficients

-0.37 %/°C	-0.304 %/°C	0.05 %/°C
Pmax	Voc	Isc

Mechanical Data

- Dimensions: 2008 x 1002 x 35 mm
- Weight: 22.5 kg
- Cell type: Monocrystalline silicon (144 cells)
- Front glass: 3.2 mm tempered glass
- Frame: Anodized aluminium alloy
- Junction Box: IP68 rated with 3 bypass diodes

Certifications & Standards

Certifications	CE, IEC 61215, IEC 61730, ISO 9001, ISO 14001, ISO 45001, SA 8000

Warranty

25-Year Linear Performance Warranty

The panel is covered by a 12-year product warranty and a 25-year linear performance guarantee. It ensures 97.5% power output in the first year, with a maximum annual degradation of 0.7% from years 2 through 25, resulting in at least 80.7% output at the end of the 25th year.