

# Polycrystalline Half-Cell Solar PV Module (275-295W)

This high-efficiency polycrystalline solar module, utilizing half-cut cell technology, is designed for both residential and commercial applications. It is certified to withstand increased snow loads of up to 5400Pa and wind loads of up to 2400Pa.



## Overview

### High-Performance Polycrystalline Half-Cell Module

This polycrystalline half-cell solar PV module offers a power output range of 275W to 295W, optimized for both residential and commercial solar energy systems. The half-cut cell technology ensures high performance and superior energy yields even in low irradiation conditions. Built with a robust design, it features an anti-reflective self-cleaning surface and is certified to withstand significant wind and snow loads, ensuring long-term durability.

## Performance

### Power Output Range

**275 W**

Minimum Output

**295 W**

Maximum Output

### Module Efficiency Data

| Pmax (W) | Efficiency (%) | Imp (A) |
|----------|----------------|---------|
| 275      | 16.55%         | 8.82    |
| 280      | 16.85%         | 8.91    |
| 285      | 17.15%         | 9       |
| 290      | 17.45%         | 9.1     |
| 295      | 17.75%         | 9.19    |

## Certifications

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IEC61215, IEC61730, UL1703, TUV, JET, INMETRO, CE, ISO9001, ISO14001, OHSAS 18001

## Mechanical Data

### Load Resistance

- Snow Load: 5400 Pa
- Wind Load: 2400 Pa

### Dimensions

1675 x 992 x 35 mm

### Weight

18.8 kg

## Warranty

### Standard Warranty

- 10-year materials and workmanship warranty
- 25-year linear power output warranty