

# 345W Polycrystalline Solar Panel with 144 Cells

This 345W polycrystalline solar panel is equipped with 144 solar cells, making it suitable for solar systems and home solar applications. It delivers reliable performance and durability for various solar energy needs.



## ADDITIONAL IMAGES



## Product Overview

**HiPro Series**  
144-CELL POLYCRYSTALLINE SOLAR MODULE

**340-360 Watt**  
340-360 Watt

**Features:**

- High Efficiency: Utilizes advanced 144-cell half-cut technology to deliver superior power output and reliability in diverse environments.
- Low Temperature Coefficient: Ensures excellent performance under low-light conditions.
- Long Warranty: Robust construction is certified for heavy mechanical loads, ensuring long-term durability for off-grid and grid-tied installations.

**Technical Specifications:**

- Power: 340-360 Watt
- Cells: 144
- Dimensions: 1650mm x 990mm x 35mm
- Weight: 18.5kg
- Temperature Coefficient: -0.45%/°C
- Warranty: 10 Years

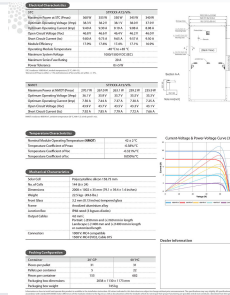
**Performance Graph:**

The graph shows the power output of the module under various conditions, demonstrating its high efficiency and low temperature coefficient.

### High-Efficiency 144-Cell Solar Module

This 345W polycrystalline solar panel utilizes advanced 144-cell half-cut technology to deliver superior power output and reliability in diverse environments. Engineered for both residential and commercial solar systems, the module features high PID resistance and excellent performance under low-light conditions. Its robust construction is certified for heavy mechanical loads, ensuring long-term durability for off-grid and grid-tied installations.

## Electrical Characteristics



### Key STC Metrics

**345 W**

Max Power (Pmax)

**38 V**

Optimum Operating Voltage

**9.08 A**

Optimum Operating Current

**17.1 %**

Module Efficiency

### Full Electrical Data

Parameter	Value
Open Circuit Voltage (Voc)	46.2 V
Short Circuit Current (Isc)	9.57 A
Max System Voltage	1000/1500 V DC
Max Series Fuse	20 A
Power Tolerance	0/+5 W

## Mechanical Characteristics

### Dimensions and Weight

- Dimensions: 2008 x 1002 x 35 mm
- Weight: 22.5 kg
- Cell Type: Polycrystalline silicon 158.75 mm
- Number of Cells: 144 (6 x 24)
- Front Glass: 3.2 mm tempered glass

## Environmental and Ratings



### Certifications & Resistance

IP68 Rated Junction Box, PID Resistant, Salt Mist Corrosion Resistant, Ammonia Corrosion Resistant, 5400 Pa Front Load Capacity

## Operational Conditions

### Operating Temperatures

-40°C to +85°C