

# 280W Polycrystalline Solar Panel

This 280W polycrystalline solar panel is designed for solar power systems. It utilizes polycrystalline silicon cells to efficiently convert sunlight into electricity.



## ADDITIONAL IMAGES



## Product Overview

### High-Efficiency Solar Power Solution

This 280W polycrystalline solar module is engineered for optimal performance in diverse residential, commercial, and industrial applications. It features advanced 60-cell polycrystalline technology, providing a module efficiency of up to 17.7% and excellent power output even in weak light conditions. Designed for durability, the panel withstands harsh environmental factors, including desert, farm, and coastal settings, while maintaining structural integrity under heavy static loads.

## Electrical Performance

### Electrical Characteristics (STC)

Parameter	Value
Maximum Power (Pmax)	280 W
Optimum Operating Voltage (Vmp)	31.6 V
Optimum Operating Current (Imp)	8.86 A
Open Circuit Voltage (Voc)	38.5 V
Short Circuit Current (Isc)	9.38 A
Module Efficiency	17.1%

### Temperature Coefficients

**-0.38 %/°C**  
Pmax

**-0.321 %/°C**  
Voc

**0.05 %/°C**  
Isc

## Mechanical Data

### Physical Dimensions

- Dimensions: 1650 x 992 x 35 mm
- Weight: 18.3 kg
- Cell type: 60-cell (6 x 10) Polycrystalline silicon
- Front Glass: 3.2 mm tempered glass
- Frame: Anodized aluminum alloy

## Reliability & Standards

### Static Load Tolerance

Front 5400 Pa • Rear 3800 Pa

### Compliance & Certifications

CE, IEC 61215, IEC 61730, ISO 9001, ISO 14001, IP68

## Logistics

### Packing Configuration

Container	Pieces/Pallet	Total/Container
20'GP	30	180
40'HC	30	840