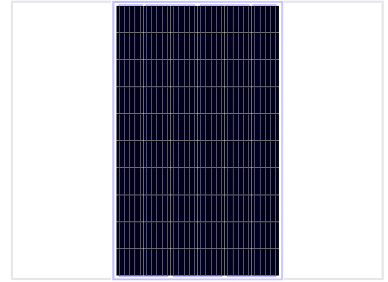


280W Polycrystalline Solar Panel

This 280W polycrystalline solar panel ensures reliable power output. It features a durable construction designed for efficient energy conversion in various solar power systems.



Product Overview

High-Efficiency 280W Polycrystalline Solution

This 280W polycrystalline solar panel is engineered for reliable energy conversion in residential, commercial, and industrial applications. Featuring 60 high-efficiency cells and a robust anodized aluminum frame, it is designed to withstand significant environmental stress including high wind and snow loads. With a comprehensive 30-year linear power output warranty, it provides a long-term sustainable energy solution for professional installers and project developers.

Performance Metrics

Key Performance Indicators

280 W

Peak Power

17.1 %

Module Efficiency

31.94 V

Max Power Voltage

8.77 A

Max Power Current

Electrical Specifications

Standard Test Conditions (STC)

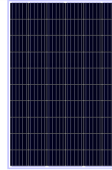
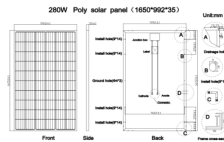
Parameter	Value
Open Circuit Voltage (Voc)	39.13V
Short Circuit Current (Isc)	9.23A
Cell Efficiency	18.99%
Irradiance	1000 W/m ²
Cell Temperature	25°C

Mechanical Characteristics

Physical Construction

- Cell Type: 156.75x156.75mm Polycrystalline
- Cell Configuration: 60 (6x10) cells
- Front Glass: 1.2mm high transmission, low iron, tempered glass
- Frame: Anodized Aluminium Alloy
- Output Cables: 4mm² cable, 90cm length
- Connector Type: MC4 compatible

Physical Dimensions



Specifications	
STC: irradiance 1000 W/m ² , AM 1.5, Gend cell temperature of 25°C	
Peak Power(P _{max})	280.00
Maximum Power Voltage(V _{mp})	31.94
Maximum Power Current(I _{mp})	8.77
Open Circuit Voltage(V _{oc})	39.13
Short Circuit Current(I _{sc})	9.23
Cells Efficiency(%)	18.99
Module Efficiency(%)	17.10
NOCT: irradiance 800 W/m ² , AM 1.5G, ambient temperature 20°C	

Mechanical characteristics	
Cell Type	156.75x156.75 Poly
No. of Cells	60(6x10)
Dimensions	1650x992x35
Weight	18.4kg
Front glass	3.2mm high transmission low iron tempered glass
Frame	Anodized Aluminum Alloy
Junction box	3P/60A/1PC1
Output cables	4mm ² cable 90cm + mod
Max Wind Load/Snow	2400Pa/5400Pa

Detailed mechanical dimensions and electrical performance specifications for the 280W module.

Size & Weight

Dimension	Measurement
Length	1650 mm
Width	992 mm
Thickness	35 mm
Weight	18.4 kg

Durability & Protection

Environmental Ratings

IP65/IP67 Junction Box • 5400Pa Snow Load • 2400Pa Wind Load

Warranty

Service Life Guarantee

- 12 Years Guarantee on product material and workmanship
- 30 Years Linear Power output warranty