

285W Polycrystalline Solar Panel

This 285W polycrystalline solar panel is designed for solar power systems. It is ideal for residential, commercial, and industrial applications, providing a sustainable solution for generating electricity from sunlight.



ADDITIONAL IMAGES

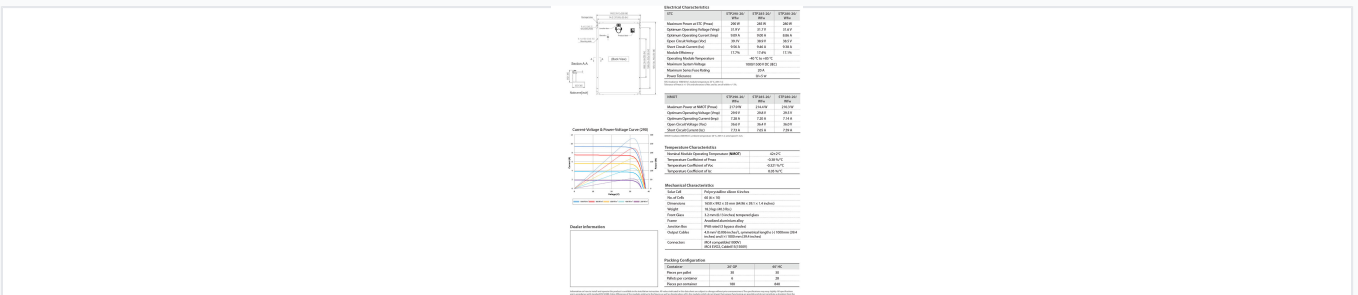


Product Overview

High-Efficiency Polycrystalline Solar Module

This 285W polycrystalline solar panel is engineered for optimal energy conversion and long-term reliability in diverse environments. Featuring a 5-busbar cell design and robust structural integrity, it is rated to withstand high mechanical loads of up to 5400 Pa. The module is designed for residential and commercial solar systems, offering superior performance in weak light conditions and excellent PID resistance.

Electrical Characteristics



Detailed Metrics (STC)

31.7 V

Optimum Operating Voltage

9 A

Optimum Operating Current

38.9 V

Open Circuit Voltage

9.46 A

Short Circuit Current

Maximum Power (P_{max}) at STC

285 W

Module Efficiency

17.4 %

Mechanical Specifications

Dimensions & Weight

- Dimensions: 1650 x 992 x 35 mm
- Weight: 18.3 kg
- Cell type: 60 (6x10) Polycrystalline Silicon

Environmental Durability

PID Resistant, IP68 Junction Box, 3800 Pa Rear Load, 5400 Pa Front Load, Anodized Aluminum Frame

Certifications & Warranty



Warranty Period

- 12-year product warranty
- 25-year linear performance warranty
- 97.5% power output in Year 1
- 80.7% power output in Year 25

Compliance Standards

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