

High-Efficiency Solar PV Module

This high-efficiency photovoltaic module is designed for solar power generation across residential, commercial, and utility-scale applications. It maintains high performance and power output even in low solar irradiation conditions and can withstand increased snow and wind loads.



Overview

High-Efficiency Solar PV Module

This high-efficiency photovoltaic module is engineered for superior energy conversion in residential, commercial, and utility-scale solar projects. Featuring an anti-reflective and self-cleaning surface, it minimizes power loss while maintaining peak performance in diverse environmental conditions. Built for durability, the module is certified to withstand significant snow and wind loads, backed by a comprehensive 25-year linear power output warranty.

Certifications

Certifications & Standards

IEC61215, IEC61730, UL1703, TUV Nord, JET, INMETRO, CE, ISO9001:2015, ISO14001:2015, OHSAS 18001:2007

Performance Metrics

Technical Specifications

Pmax (W)	Umpp (V)	Impp (A)	Efficiency
330	34.1	9.68	19.56%
335	34.33	9.76	19.85%
340	34.59	9.83	20.15%
345	34.79	9.92	20.45%

Key Performance Metrics

1500 V

Max System Voltage

15 A

Max Series Fuse

42 °C

Nominal Module Operating Temp

Mechanical Data

Physical Dimensions

- Dimensions: 1684 x 1002 x 35 mm
- Weight: 18.8 kg
- Glass Thickness: 3.2 mm
- Cell Count: 120 pcs

Environmental Resilience

Snow Load: 5400Pa • Wind Load: 2400Pa • IP68 Junction Box • Salt/Ammonia Resistant

Warranty

Coverage Terms

- 10-year warranty on materials & workmanship
- 25-year linear power output warranty