

350W Full Black Monocrystalline Solar Panel

This 350W full black monocrystalline solar panel is designed for solar power systems. The PV module offers excellent performance and reliability, with a sleek, all-black aesthetic ideal for residential and commercial installations.



ADDITIONAL IMAGES



Overview

High-Efficiency Full Black Solar Solution

This 350W monocrystalline solar panel features a sleek all-black design, making it an ideal choice for residential and commercial installations where aesthetics are a priority. Engineered with 120 half-cut cells, it delivers superior power output and maintains high performance even in weak light conditions such as haze or early morning. Built for durability, the module is certified to withstand extreme wind and snow loads while offering long-term reliability in harsh environments.

Key Performance Metrics

Performance Highlights

350 W

Max Power (Pmax)

19.2 %

Module Efficiency

1000 V

Max System Voltage

25 Years

Performance Warranty

Electrical Characteristics

Electrical Data (STC)

Parameter	Value
Optimum Operating Voltage (Vmp)	33.5 V
Optimum Operating Current (Imp)	10.46 A
Open Circuit Voltage (Voc)	40.1 V
Short Circuit Current (Isc)	11.21 A
Power Tolerance	0/+5 W
Operating Temperature	-40 °C to +85 °C

Mechanical Design

Mechanical Specifications

Component	Specification
Solar Cell	Monocrystalline silicon 166 mm
Cell Arrangement	120 (6 x 20)
Dimensions	1756 x 1039 x 35 mm
Weight	20.3 kg
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 bypass diodes)
Connectors	MC4 compatible

Reliability & Durability

Reliability Features

- High PID resistance through advanced cell technology
- Certified wind load resistance up to 3800 Pascal
- Certified snow load resistance up to 5400 Pascal
- Salt mist and ammonia corrosion resistant
- Sand blowing test certified (IEC 60068-2-68)
- 2 x 100% EL inspection for defect-free modules

Logistics & Packaging

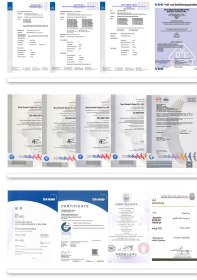


Our automated logistics system ensures efficient storage and safe dispatch of solar modules.

Shipping Configuration

Container Type	Quantity
Pieces per Pallet	31 pcs
20'GP Container Capacity	186 pcs
40'HC Container Capacity	806 pcs
Pallets per 40'HC	26
Packaging Box Weight	679 kg

Certifications



Comprehensive certifications including IEC, ISO, and TUV ensure global compliance and quality.

Standards & Compliance

IEC 61215 • IEC 61730 • CE • ISO 9001 • ISO 14001 • ISO 45001 • SA 8000 • TUV NORD • VDE