

350W-375W Monocrystalline 9BB Half-Cell Solar Panel

This monocrystalline solar panel utilizes 9BB half-cell technology for enhanced efficiency. It provides power output ranging from 350W to 375W, suitable for residential, commercial, and industrial solar energy systems.



ADDITIONAL IMAGES



Overview

High-Efficiency 9BB Half-Cell Solar Module

This monocrystalline solar panel series utilizes 166mm 9-busbar (9BB) half-cell technology to deliver power outputs ranging from 350W to 375W. By employing a 120-cell configuration (60x2 full cells), the module achieves a conversion efficiency of up to 20.1%, significantly reducing installation area and costs. The half-cell design not only improves shading tolerance but also lowers operating temperatures by 1.6°C, ensuring long-term stability and reliability in diverse environmental conditions.

Performance Metrics

Key Performance Metrics

375 W

Max Power

20.1 %

Max Efficiency

1500 VDC

System Voltage

5400 Pa

Snow Load

Electrical Characteristics

The image shows a detailed technical datasheet for RABO SOLAR solar panels. It includes sections for 'Electrical Characteristics' with tables for various models (350M to 375M), 'Mechanical Dimensions' with a diagram of the panel, and 'Performance Graphs' showing Pmax, Voc, and Isc vs. temperature. The datasheet also lists key features like 9BB technology and 120 half-cut cells.

Comprehensive technical datasheet covering electrical characteristics and mechanical dimensions.

Electrical Data (STC)

Model Variant	Max Power (Pmax)	Voltage (Vmp)	Current (Imp)	Efficiency
350M	350W	33.3V	10.52A	18.7%
355M	355W	33.5V	10.60A	19.0%
360M	360W	33.7V	10.69A	19.3%
365M	365W	33.9V	10.77A	19.5%
370M	370W	34.1V	10.86A	19.8%
375M	375W	34.3V	10.94A	20.1%

Technical Features

The image highlights the key advantages and technical features of RABO SOLAR solar panels. It features a central graphic with the text '120 cells' and '9BB technology'. The 'PRODUCT ADVANTAGE' section lists: 9 Busbar (9BB) solar cell technology, 120 Half-cut monocrystalline cells (166*83mm), Advanced glass and cell surface texturing, High transmissivity, low-iron tempered glass (3.2mm), and IP68 Junction box with 3 bypass diodes. The 'TECHNOLOGY' section mentions 9BB technology and 120 half-cut cells. The 'KEY FEATURES' section lists: High efficiency of the solar modules, Low temperature coefficient, Low light performance, and Low temperature coefficient. The 'QUALIFICATION' section shows logos for ISO, CE, and TUV. The 'LINEAR PERFORMANCE SECURITY' section mentions: 10-year warranty and 25-year performance warranty.

Key advantages including 9BB technology, high efficiency, and low-light performance.

Cell Technology

- 9 Busbar (9BB) solar cell technology
- 120 Half-cut monocrystalline cells (166*83mm)
- Advanced glass and cell surface texturing
- High transmissivity, low-iron tempered glass (3.2mm)
- IP68 Junction box with 3 bypass diodes

Mechanical Data

Dimensions	1776 * 1052 * 35 mm
Weight	20.5 kg
Connector Type	MC4 Compatible

Operating Conditions

Operating Temperature	-40°C to +85°C
NOCT	45±2°C
Wind Load Resistance	2400 Pa

Certifications & Warranty

Certifications	TUV, CE, SGS, ISO, IEC 1500V, UL, PV CYCLE
Product Warranty	12 Years
Linear Power Warranty	25 Years

Logistics

Container Loading Capacity

- 288 PCS per 20' GP
- 720 PCS per 40' HQ