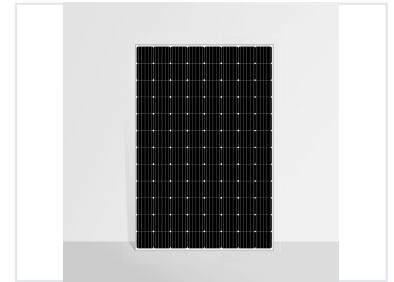


500W Monocrystalline Solar Panel

This high-efficiency monocrystalline solar panel delivers a power output of 500W. It is designed for durability and reliable energy generation in both grid-tied and off-grid solar systems.



ADDITIONAL IMAGES



Overview

High-Efficiency 500W Monocrystalline Panel

This high-efficiency monocrystalline solar panel is engineered for optimal energy conversion in both residential and commercial applications. Featuring 96 cells, the panel is built with high-transparency tempered glass and a corrosion-resistant aluminum frame to ensure long-term durability and performance in various environmental conditions. With advanced cell technology designed to maximize sunlight absorption, this unit offers reliable power output and is compatible with grid-tied and off-grid systems.

Electrical Characteristics



Performance characteristics and electrical data overview.

Maximum Power (Pmax)	500 W
Open Circuit Voltage (Voc)	62.8 V
Short Circuit Current (Isc)	10.08 A
Voltage at Max Power (Vmp)	51.2 V
Current at Max Power (Imp)	9.77 A

Mechanical Specifications

Dimensions	1956 x 1310 x 40 mm
Weight	26 kg
Number of Cells	96

Operating Conditions

Operating Temperature Range	-40 to +85°C
Maximum System Voltage	1000/1500 VDC
Maximum Fuse Rated Current	15 A

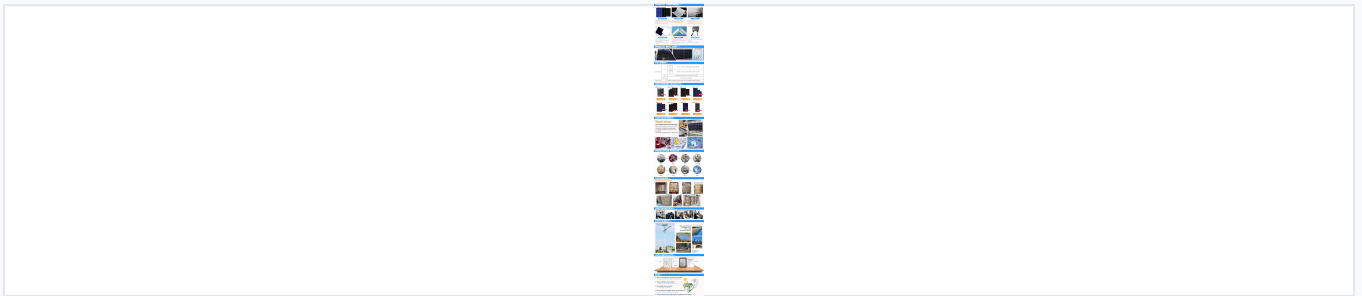
Certifications & Warranty

Warranty Coverage

- 12-year product warranty
- 25-year linear power warranty

Certifications	CE, TUV, IEC, ISO
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Construction Features



Construction and material quality details.

Construction Highlights

PID-free • Anti-reflective glass • Flame-resistant TPT back sheet • IP67/IP68 Junction Box • Anodized Aluminum Frame