

400W Polycrystalline Solar Panel

This polycrystalline solar panel utilizes Grade A+ solar cells, each with a complete IV curve. It features high safety and a long lifespan.



Overview

High-Efficiency 400W Solar Solution

This 400W solar panel utilizes Grade A+ solar cells with 5 busbar (5BB) technology to ensure superior current collection and long-term reliability. Designed for both residential and commercial applications, it offers a high conversion efficiency of over 19.5% and is built to withstand harsh environmental conditions. With a robust 25-year linear performance warranty, it provides a dependable and sustainable energy yield for grid-tied and off-grid systems.

Key Performance Metrics

Performance Highlights

400 W

Peak Power

19.8 %

Conversion Rate

1500 V DC

Max System Voltage

Electrical Specifications

Electrical Parameters

Parameter	Value
Best Working Voltage (Vmp)	42.29V
Best Working Current (Imp)	9.46A
Open Circuit Voltage (Voc)	49.10V
Short Circuit Current (Isc)	10.35A
Maximum Protection Current	20A

Thermal Characteristics

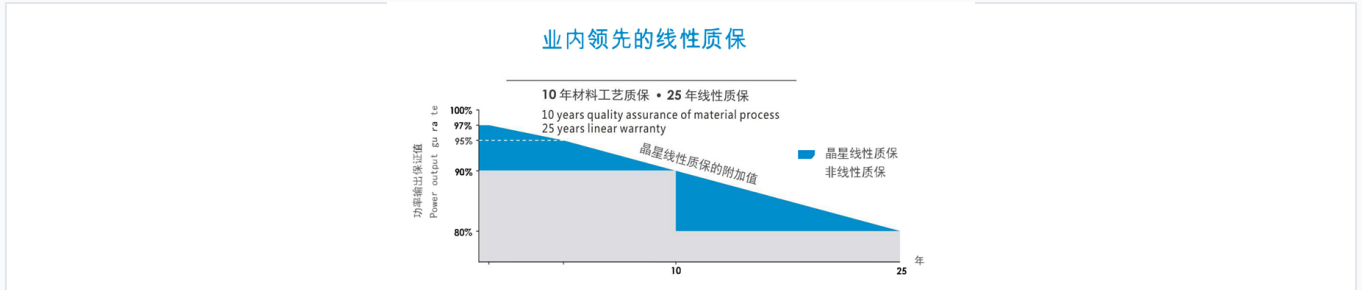
Temperature Coefficients

Type	Coefficient
Pmax Temperature Coefficient	-0.46%/°C
Voc Temperature Coefficient	-0.34%/°C
Isc Temperature Coefficient	+0.05%/°C
Rated Operating Temperature	45±2°C

Physical Construction

Dimensions	2014mm * 1002mm * 35mm
Weight	22.5 kg
Cell Layout	144 (6*24) Mono-crystalline cells

Warranty & Reliability



Industry-leading 25-year linear warranty ensures long-term energy production and reliability.

Warranty Policy

- 10 years quality assurance of material process
- 25 years linear power output warranty
- Guaranteed 80% power output at 25 years

Operating Temperature Range

-40°C to +85°C

Applications

<p style="text-align: center;">Successful solar power station projects from "QIXING"</p> <p style="text-align: center;">For "villa" project For "villa" project For "office building" project</p>	<p style="text-align: center;">Successful solar power station projects from "QIXING"</p> <p style="text-align: center;">For "company" project For "factory" project For "car parking" project</p>	<p style="text-align: center;">Successful solar power station projects from "QIXING"</p> <p style="text-align: center;">For "solar power station" project in the mountain</p>
<p>Versatile application examples including residential villa and commercial office projects.</p>	<p>Scalable solutions for factory rooftops and solar car parking structures.</p>	<p>Proven performance in large-scale utility projects and challenging terrains.</p>
<p>Suitable Applications</p>		<p>Residential Villas, Office Buildings, Industrial Factories, Car Parking, Mountain Power Stations</p>