

Monocrystalline Double Glazing Solar Panel

This monocrystalline solar panel features 60 cells with dimensions of 1658*992*6.5mm or 1658*992*35mm. It has advanced surface treatment and a 5BB cell design to reduce series resistance and improve module efficiency.

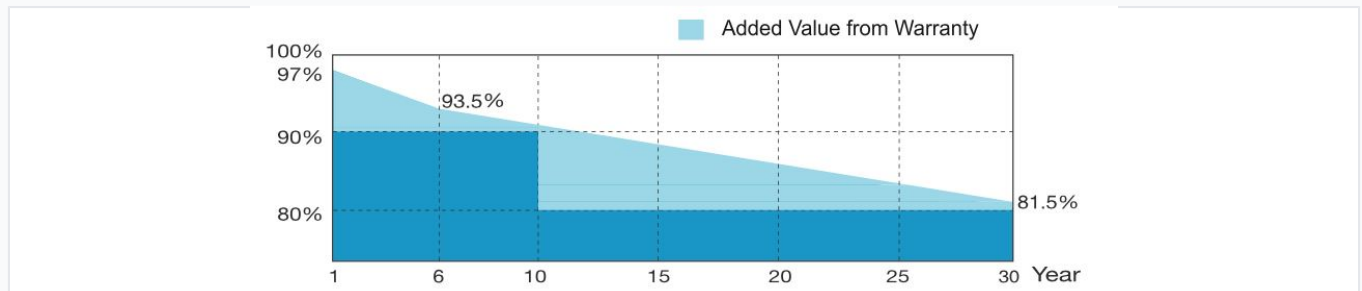


Overview

High-Efficiency Double Glazing Module

This monocrystalline solar module features a robust double-glazing design, significantly enhancing durability, weather resistance, and long-term power output stability. Engineered with advanced surface treatment and 5BB cell technology, it minimizes resistance and maximizes light absorption to achieve module efficiency up to 19.5%. It is a versatile solution suitable for residential, commercial, and industrial solar energy systems.

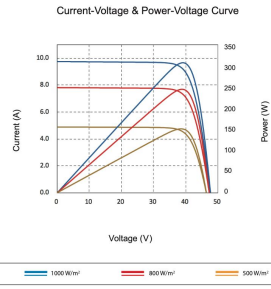
Technical Specifications



Linear power output performance warranty over a 30-year operational lifespan.

Cell Technology	Monocrystalline PERC
Cell Size	156.75 x 156.75 mm
Number of Cells	60
Power Tolerance	0 ~ +5W
Maximum System Voltage	1000V / 1500V DC
Operating Temperature Range	-40°C to +85°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Performance Metrics



Performance curves showing electrical output at 500, 800, and 1000 W/m² irradiance levels.

Electrical Characteristics (STC)

Parameter	300W	310W	320W
Open-Circuit Voltage (Voc)	39.5V	39.8V	40.5V
Short-Circuit Current (Isc)	9.69A	9.87A	10.39A
Optimum Operating Voltage (Vmp)	33.0V	33.8V	33.6V
Optimum Operating Current (Imp)	9.10A	9.18A	9.54A
Module Efficiency	18.2%	18.8%	19.5%

Key Performance Indicators

320 W Max Power Output	19.5 % Max Efficiency	15 A Max Series Fuse
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