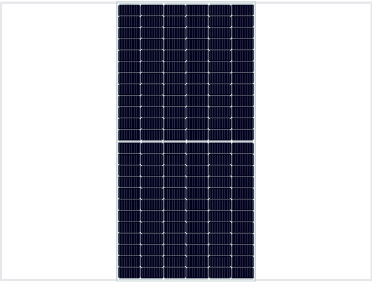
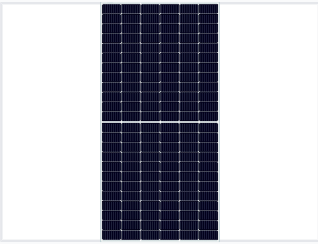
High Efficiency Monocrystalline Solar Panel

This high-efficiency monocrystalline solar panel uses Ga-doped silicon wafers and SE technology to enhance cell conversion. Its optimized design reduces shadow effects and improves module reliability.



ADDITIONAL IMAGES

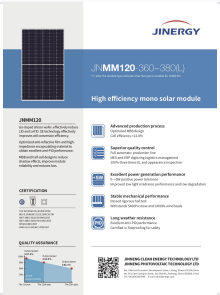


Overview

High-Efficiency Monocrystalline Module

This high-efficiency monocrystalline solar module is engineered for optimal energy conversion in residential, commercial, and utility-scale power systems. Utilizing advanced Ga-doped silicon wafers and multi-busbar (MBB) half-cell technology, the module effectively reduces LID and LeTID while minimizing shadow effects. Its robust construction features high-transparency tempered glass and an anodized aluminum frame, ensuring durability against extreme weather conditions, including heavy snow and wind loads.

Key Features



Advanced cell technology features including MBB design and anti-PID performance.

Performance Highlights

22.8 %	5400 Pa	2400 Pa
Cell Efficiency	Max Snow Load	Max Wind Load

Advanced Technologies	Ga-doped Silicon, MBB Design, Half-cell Technology, Anti-PID, Low-LID

Electrical Specifications

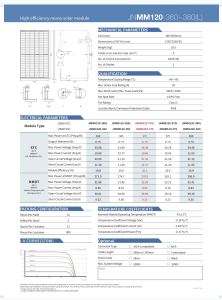
Power Output Warranty

Period	Minimum Power Output
1st Year	e97.5%
12th Year	e90.9%
25th Year	e83.1%

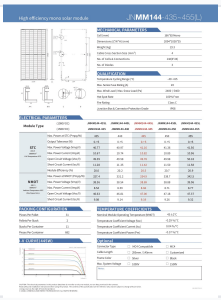
Temperature Coefficients

- Power (Pm): -0.37%/°C
- Voltage (Voc): -0.29%/°C
- Current (Isc): 0.04%/°C

Mechanical Specifications



Detailed mechanical parameters and dimensions for the 120-cell configuration.



Detailed mechanical and electrical specifications for the 144-cell high-power configuration.

Physical Characteristics

Parameter	Small Module (120 Cells)	Large Module (144 Cells)
Dimensions (mm)	1755 x 1038 x 35	2094 x 1038 x 35
Weight (kg)	19.5	23.3
Junction Box Protection	IP68	IP68

Compliance

Certifications & Safety

TUV • IEC 61215 • IEC 61730 • ISO 9001 • ISO 14001 • Fireproof Certified