



# Jinko 380w solar panels

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Eagle 72M is a panel from world's largest manufacturer Jinko Solar. It is designed for commercial and industrial projects of a small and large scope, though you can use it for building a residential system as well.

Jinko Solar module provides 385 Watts of power with 19.13% conversion rate -- much higher than average numbers in the industry. High production levels are achieved by using Diamond half-cut PERC solar cells. Half-cut cell design lowers the resistance of a cell and PERC technology increases the efficiency by 1% by itself.

Potential Induced Degradation was a real bane for many solar manufacturers not that long ago. PID could lower the output of the panel by 20-25% and was especially common in wet areas. However, engineers have managed to minimize its impact on modules. Eagle 72M is a PID-free module and half-cut design of a cell minimizes the risk of hot spots development and the impact of microcracks on production.

The panel is well protected from all kinds of extreme weather conditions. Anodized aluminum frame and 3.2 mm tempered glass protect solar cells. The module withstands 5400 Pa snow load and 2400 Pa wind load. It is certified for salt mist and ammonia resistance.

Jinko JKM380M-6RL3-B is a PV module fit for both residential and commercial applications. Jinko engineers made the EAGLE series durable and efficient while minimizing the amount of useful space required for their operation. The Passivated Emitter Rear Contact (PERC) technology ensures excellent power output. This solar cell type employs an additional reflective layer to absorb more sunlight.

To further boost the performance, Jinko employs half-cut cell technology. Each of the panel's 132 cells is only half the size of a traditional solar cell. This grants JKM380M-6RL3-B lower resistive losses and better shade tolerance. Not surprisingly, the efficiency of this module is quite high - 20.43%. The cell surface, back foil, and frame are completely black, giving the model unrivaled aesthetics. Jinko provides 25 years of product warranty and guarantees that after 25 years, performance will be at 84.8% or more.

The highest power output is guaranteed by Jinko JKM380M-6RL3-B with an efficiency of up to 20.43%. Such outstanding performance is the product of PERC technology and an effective anti-reflective coating. This is notably above average, which will translate into significant additional savings throughout the operation.

The heat is less of a threat with this module: with one of the lowest temperature coefficients in the industry, JKM380M-6RL3-B loses just -0.35% of efficiency for every 1.8°F above 77°F.

JKM380M-6RL3-B is subject to rigorous quality and reliability testing as well as many quality checks throughout the production process. The level of automation in the manufacturing facilities virtually eliminates



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human error. To guarantee that you receive the finest, Jinko is committed to quality, safety, and dependability.

The amount of power output loss experienced by these panels during the first year of operation will not exceed 2%. The average yearly power drop from the second to the 25th year will not surpass 0.55%. After 25 years, the module will still produce more than 84.8% of its initial output.

The panel features an all-black design which looks great on any roof. The manufacturer ensures excellent cell color through special treatment and selection processes. Jinko engineers use thinner wires to connect the cells, and at a distance, the surface of the modules appears smooth and uninterrupted.

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