TIGER Neo III

JinKO Solar

What's Great About Neo 3.0?

650-670Wp Power
Catch More Sunlight on Front Side

Based on TOPCon technology platform,achieved through cutting-edge technology and an optimized layout that captures more sunlight. This makes Neo 3.0 panels reach record high module efficiency of 24.8%, 650-670Wp in 66-cell. This makes Neo 3.0 perfect for both utility and rooftop applications.

85±5% Bifacility
Generate Much Better on Rear Side

Enabling 90% bifaciality of efficient TOPCon cell by an improved structure to enhance light absorption and trapping, as a result, Neo 3.0 bifacial modules are encapsulated with an impressive bifaciality of 85±5% and a power output of 670 W. This is great for utility projects where panels are mounted up high as well as C&I where light can more or less bounce up from below. BTW, you get these extra power generated by rear side free of charge.

- 0.26%/°C Temp Coefficient
Handles Heat Better

When solar panels heat up, their electricity output drops. Neo 3.0 panels lose less power in hot weather (temperature coefficient of -0.26%/°C). In most places in the world, this means 1.5-1.7% more energy over a year. In tropical and hot areas, the advantage is even greater.

96.77%% Low Irradiation
200W/m² Performance Index

This term correlates for difference between low irradiation 200W/m² and STC condition 1000W/m² used for actual power generation. The industry high index indicates the better low light response that can generate more electricity in practical applications.

- 0.35% Linear Degradation
Proven to Last

TOPCon cells offer better long-term reliability and stability in certain degradation scenarios, particularly regarding UV degradation in BC cells. Neo 3.0 degrades at 0.30-0.35% per year, which is significantly better than BC panels of about 0.4%. It demonstrates advantages in certain critical degradation pathways.

2-3% Average Yield Gain
Overall Gain Guaranteed

In the number of independent field tests conducted, TOPCon modules achieved a performance ratio of 5% higher than BC co unterparts on average, which results in generating an average of 2-3% more energy than BC modules annually.

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Is Neo 3.0 Mr. Right for Your Project?

Rooftop projects need to balance space, performance, and return on investment:

For Tight Spaces: When every square inch counts (like in cities), Neo 3.0's maximum power output makes it the top choice.

For Cloudy Areas: Neo 3.0 panels best ever low light performance helps in places that are often cloudy, like UK., Germany, Japan.

Large solar farms care most about LCOE, BOS and proven reliability:

For $/kWh: Industry leading power and the excellent bifacial performance (85%-90%), proven low light performance and lower working temperature makes it ideal and competitive for ground mounted utility projects.

For Hot Places

Neo 3.0 is perfectly ideal for hot, extreme summer heat regions like desert areas, tropical areas. Its lower temperature coefficient of -0.26%/°C means better performance at high temperatures.

For High UV Areas

UV resistant mechanisms enables lower UV induced degradation compared to BC panels, ideal for projects like offshore PV farm, floating projects.

In summary, Tiger Neo 3.0 offers a compelling combination of "Three High, Three Low, Three Long", that is industry-leading high power, high efficiency and high bifacility, best low light performance, low degradation, low temperature coefficient, superior long working time, long warranty, long-term energy yield reliability.