

Exclusively for Luxury Residences

Solar
Jinko

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JinkoSolar thrilling journey toward ceiling high performance continues with Tiger Neo 5.0, the first scenario dedicated module, whose incredible prowess confirms TAC technology as the future of super performance in luxury residential rooftop market.

Tiger Neo 5.0 is an evolutionary step that reimagines and redefines the standards of premium rooftop modules - a revolution in design, efficiency, and technology that sets a new benchmark. With an all-new TAC technology capable of reaching a pinnacle 25.52% module efficiency, 510 Wp of power output in 48-cell format, -0.24% temperature coefficient, backed by lifelong warranty, Tiger Neo 5.0

Seamless Elegance

Discreetly Luxurious, Perfectly Integrated

Reimagining conventional paradigms and setting a new benchmark for high-end rooftops.



Pure Aesthetics

Inheriting JinkoSolar's DNA, blending obsidian black purity with minimalist line arrangements to maximize elegance and power, custom-designed for architects and high-taste elites.



Seamless Integration

Featuring an all-new full-screen seamless front design and high-purity silicon substrate, it blends flawlessly with dark roof tiles, minimizing visual disruption and streamlining exterior aesthetic approvals.



Effortless Installation

Lightweight design (weighing only 22kg) facilitates high-altitude handling and installation, while maintaining extreme mechanical load resistance of +5400Pa / -2400Pa.

Unbound Energy

Pinnacle Space-to-Power Ratio

Maximizing limited rooftop area to unleash infinite luxury living scenarios.

510W

Maximum Power Output

+30W

Compared to the previous generation's 480W

25.52%

Maximum Module Efficiency



Limitless Capacity

Breaking through architectural geometric area limitations to increase power density per unit area, fully supporting floor heating, constant-temperature swimming pools, and multiple EV chargers simultaneously.



Extended All-Day Yield

Enhanced full-spectrum response with exceptional low-light sensitivity. Extends power generation by 45 minutes at both dawn and dusk, achieving +103% better low-light performance than traditional BC modules.



-0.24%/°C Industry-Lowest Temperature Coefficient

Purpose-engineered heat distribution optimization bids farewell to the traditional module pain point where "output drops as temperature rises." Under scorching 60°C rooftop conditions, power generation outperforms traditional modules by >7%.



Precise Alignment with Peak Demand

Summer peaks coincide with high air conditioning and pool cooling loads. The higher the temperature, the more pronounced Tiger Neo 5.0's output advantage becomes, delivering uninterrupted power support.



Enhanced Shade Tolerance

Redesigned busbar and grid line layouts deliver superior tolerance against localized shadowing, ensuring complete home power supply remains uncompromised.

Peak Performance Under Heat

The Hotter It Gets, the Stronger It Performs

All-weather climate defense: Breaking the curse of "high-temperature degradation" during peak summer electricity consumption.

Absolute Safety

Robust Insulation for Complete Peace of Mind

Solid as a rock: Safeguarding the security foundation of luxury residential assets.



Intelligent Hot-Spot Prevention

Effortlessly manages localized obstructions such as tree shade, fallen leaves, or bird droppings. Active intelligent power distribution prevents overheating and eliminates fire hazards.



EGO Robust Insulation Encapsulation

Solid-state edge insulation and long-term sealing deliver a 5x improvement in insulation performance, completely eliminating electrical leakage risks in high-temperature and high-humidity environments.



Wind and Seismic Resistance

1.6mm dual-glass structure provides a maximum static load capacity of +5400Pa (front) and -2400Pa (back), effortlessly withstanding severe storms and snow accumulation challenges.



Industry-First Lifelong Commitment

Offering a 40-year product warranty alongside a lifelong power warranty (with initial degradation of 1% and subsequent annual degradation capped at just -0.35%), fully covering the luxury lifecycle.



Physical-Level Anti-Aging

Utilizing high-purity, homogeneous, low-defect, low-oxygen silicon wafers to provide intrinsic physical resistance to degradation, securing stable performance from the source.



Lifelong Worry-Free Maintenance

Completely eliminates risks associated with high-altitude maintenance, scaffolding repairs, and potential damage to roof waterproofing membranes.



The Technology Behind Perfection

Revolutionary TAC Hybrid Passivation Architecture

TAC Revolutionary Technology Platform: Synergy and integration of TOPCon and HJT.



TOPCon + HJT Synergistic Passivation

Industry-first integration of TOPCon and HJT hybrid passivation technologies, spanning materials, processes, architecture, and system-level cross-collaboration. Delivers a massive leap in front-side module efficiency, generating 15–30Wp higher power and ~2% greater overall energy yield compared to peer BC products.



Comparison Dimensions	Traditional BC Modules	Tiger Neo 5.0 TAC	Owner Value Matrix
Aesthetic Appeal	Visible front gaps, frame color deviations	OBB Zero Back-Side Busbar + ACC Zero Color Deviation	Ultimate Aesthetics: Obsidian pure texture.
Maximum Power	480W	510W, Module Efficiency 25.52%	Exceptional Energy Efficiency: 30W more power per unit area.
Temperature Coefficient	-0.26%/°C	-0.24%/°C	The Hotter It Gets, the Stronger It Performs: Leads summer high-temp output by >7%.
Core Warranty	15-30 years	40-Year Product & Linear Power Warranty	Timeless Asset: One-time installation, protected for two generations.

Better ROI

European Case Study

(Netherlands/Germany - 50m² Rooftop)

40-Year Cumulative Returns

Tiger Neo 5.0 TAC 510W BC 480W



+€13,793

Incremental Returns

Australian Case Study

Sydney - 50m² Rooftop

40-Year Cumulative Returns

Tiger Neo 5.0 TAC 510W BC 480W



+A\$14,527

Incremental Returns