TIGER Neo III High Screen

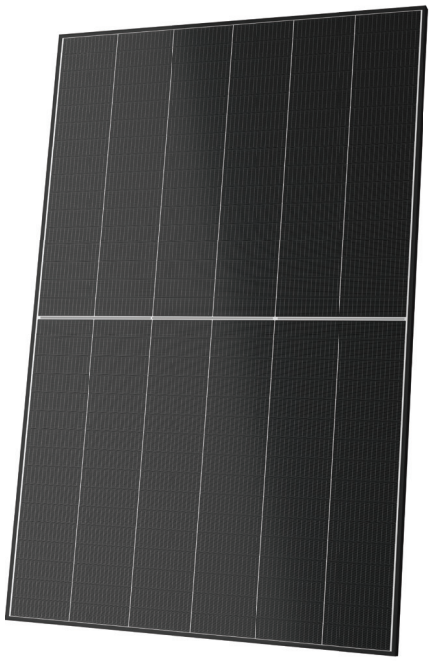
JinKO Solar

48QL6-DX

465-490 Watt

MONO-FACIAL MODULE WITH DUAL GLASS

Triple Advantage



High Hail Resistance

Designed to withstand 45 mm diameter hail.

Mechanical Load Enhanced

Certified to withstand:
7000 Pa front side max static test load
5000 Pa rear side max static test load

Fire Rating A

Obtain fire rating class A (TÜV Nord / TÜV Rheinland / UL / TÜV Süd) test report.

Proven Low Light Performance

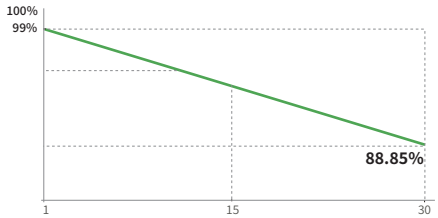
Enhanced cell structure ensures superior module performance under low-light conditions.

Optimized Heat resistance

Optimized temperature coefficient achieved via advanced graphical patterning, busbar and multi-cell technology.

Higher Power on Front Side

Leading power class based on the enhanced N-type TOPCon platform, achieved through cutting-edge technology and an optimized layout that captures more sunlight.



15 Year	30 Year	1%	0.35%
Product Warranty	Linear Power Warranty	First-year Degradation	Annual Degradation Over 30 Years

- IEC61215:2021 / IEC61730:2023
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems

CLEAN ENERGY COUNCIL MEMBER

POSITIVE QUALITY™ Continuous Quality Assurance

JKM465-490N-48QL6-DX-TriAdvan-Pre3-E1-EU

48QL6-DX 465-490 Watt

Mechanical Characteristics

Cell Type	N- type Mono-crystalline
No. of cells	192 (48×4)
Dimensions	1762×1134×30 mm
Weight	27 kg
Front Glass	2.5 mm, Anti-reflection Coating
Back Glass	2.0 mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class A (under testing)
Connector Type	JK03M/JK03M2/Others*
Output Cables (Including Connector)	⩾4.0 mm^2 (+): 600 mm , (-): 400 mm or Customized Length

* MC4-EVO2 available upon request and subject to availability

Packaging Configuration

Pallet Dimensions	1792×1140×1249 mm
Packing Detail (Two pallets = One stack)	37 pcs/pallets, 74 pcs/stack, 888 pcs/ 40'HQ Container

Specifications (STC)

Maximum Power - Pmax [Wp]*	465	470	475	480	485	490
Maximum Power Voltage - Vmp [V]	30.47	30.66	30.84	31.02	31.20	31.38
Maximum Power Current - Imp [A]	15.26	15.33	15.40	15.47	15.55	15.62
Open-circuit Voltage - Voc [V]	35.65	35.85	36.05	36.25	36.45	36.67
Short-circuit Current - Isc [A]	15.97	16.01	16.05	16.09	16.13	16.18
Module Efficiency STC [%]	23.27	23.52	23.77	24.02	24.27	24.52
Power Sorting	0 ~ + 3 %					
Temperature Coefficient of Pmax	-0.26 %/°C					
Temperature Coefficient of Voc	-0.24 %/°C					
Temperature Coefficient of Isc	0.046 %/°C					

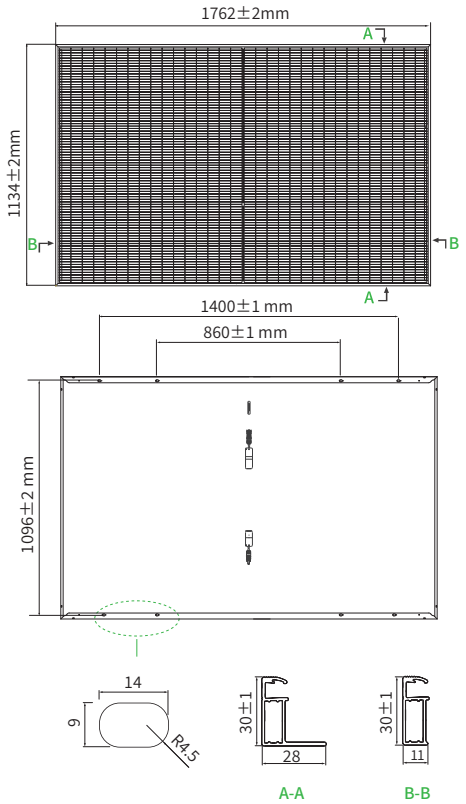
STC: Irradiance 1000W/m^2, Cell Temperature 25°C, AM=1.5. *Power tolerance measurement: ±3%.

Application Conditions

Level T_{98} ⩽ 70 °C	- 40 °C to + 70 °C*
Maximum System Voltage	1500 V DC (IEC)
Maximum Series Fuse Rating	30 A

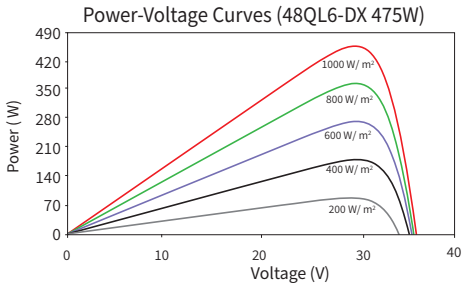
*Short-term up to 85°C; higher operation requires IEC TS 63126 testing

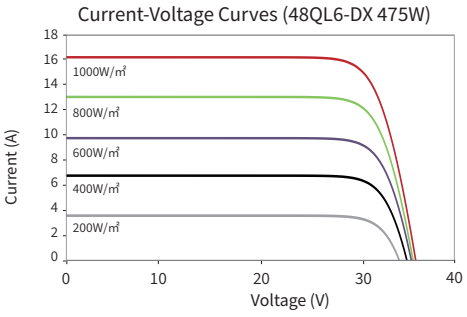
Engineering Drawings



*Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance





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JKM465-490N-48QL6-DX-TriAdvan-Pre3-E1-EU

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Note: Please read the safety and installation manual before using the product. We reserve the right of final interpretation. The specifications in this datasheet are subject to change without notice.