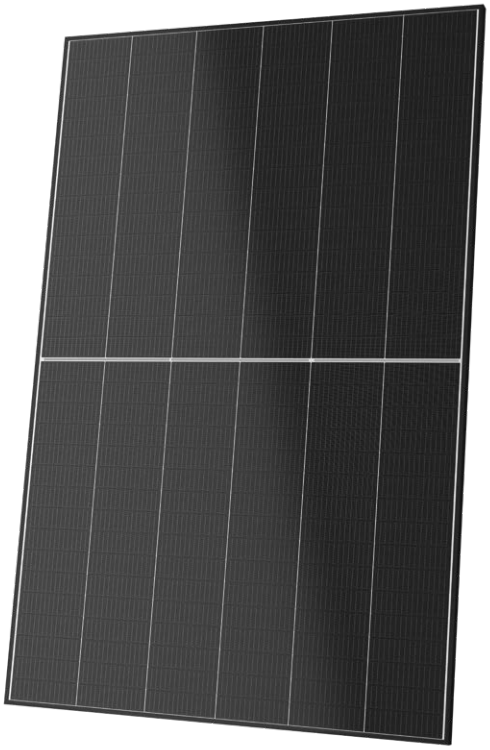
TIGER Neo III

JinKO Solar

# 48QL6-DV

## 450-485 Watt

MONO-FACIAL MODULE
WITH DUAL GLASS

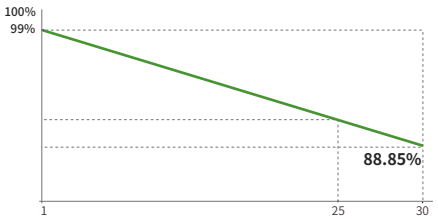


### Higher Power on Front Side

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

### Optimized Heat resistance

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




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

### Proven Low Light Performance

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

### Mechanical Load Enhanced

Certified to withstand:
5400 Pa front side max static test load
2400 Pa rear side max static test load

- IEC61215:2021 / IEC61730:2023
- 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

**JKM450-485N-48QL6-DV-F5C2-OC**

# JKMxxxN-48QL6-DV (xxx=450-485, in steps of 5)

## Mechanical Characteristics

| | |
|---|---|
| Cell Type | N- type Mono-crystalline |
| No. of cells | 192 (48×4) |
| Dimensions | 1762×1134×30 mm |
| Weight | 24.4 kg |
| Front Glass | 2.0 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 C |
| Connector Type | PV-JK03M/xy,PV-JK03M2/xy (JinKO) ;<br>PV-KST4-EVO2A/xy,PV-KBT4-EVO2A/xy (Staubli) |
| Output Cables<br>(Including Connector) | ⩾ 4.0 $mm^2$<br>(+): 500 mm , (-): 400 mm or<br>(+): 1400 mm , (-): 1400 mm or Customized Length |

* MC4-EVO2 available upon request and subject to availability

## Packaging Configuration

| | |
|---|---|
| Pallet Dimensions | 1792×1140×1249 mm |
| Packing Detail<br>(Two pallets = One stack) | 37 pcs/pallets, 74 pcs/stack,<br>962 pcs/ 40'HQ Container |

## Specifications (STC)

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Maximum Power - Pmax [Wp] | 450 | 455 | 460 | 465 | 470 | 475 | 480 | 485 |
| Maximum Power Voltage - Vmp [V] | 30.23 | 30.40 | 30.57 | 30.74 | 30.93 | 31.11 | 31.30 | 31.48 |
| Maximum Power Current - Imp [A] | 14.89 | 14.97 | 15.05 | 15.13 | 15.20 | 15.27 | 15.34 | 15.41 |
| Open-circuit Voltage - Voc [V] | 35.17 | 35.42 | 35.67 | 35.92 | 36.17 | 36.42 | 36.67 | 36.92 |
| Short-circuit Current - Isc [A] | 15.62 | 15.67 | 15.72 | 15.77 | 15.82 | 15.86 | 15.90 | 15.95 |
| Module Efficiency STC [%] | 22.52 | 22.77 | 23.02 | 23.27 | 23.52 | 23.77 | 24.02 | 24.27 |
| Measurement Tolerance | STC: Pmax ± 3%, Voc ±5%, Isc ±5% | | | | | | | |
| Power Sorting | -5W ~ +15W | | | | | | | |
| Temperature Coefficient of Pmax | -0.26 %/°C | | | | | | | |
| Temperature Coefficient of Voc | -0.24 %/°C | | | | | | | |
| Temperature Coefficient of Isc | 0.046 %/°C | | | | | | | |

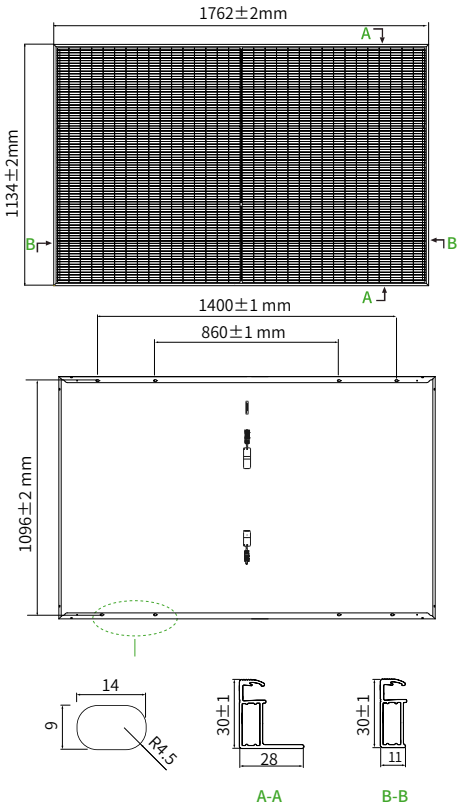
STC: Irradiance 1000W/$m^2$, Cell Temperature 25°C, AM=1.5

## Application Conditions

| | |
|---|---|
| Operating Temperature | - 40 °C to + 70 °C* |
| Module [T98] max | 70 °C |
| Maximum System Voltage | 1500 VDC (IEC) |
| Maximum Series Fuse Rating | 30 A |

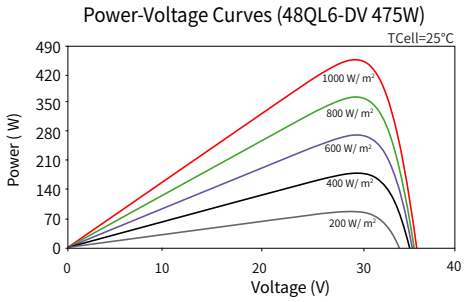
*Short-term up to 85°C; higher operation requires IEC TS 63126 testing

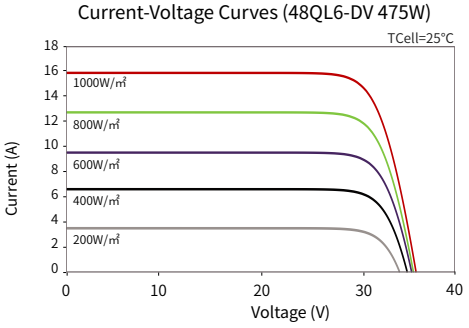
## Engineering Drawings




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

## Electrical Performance




Made in China

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**JKM450-485N-48QL6-DV-F5C2-OC**

www.jinkosolar.com

**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.