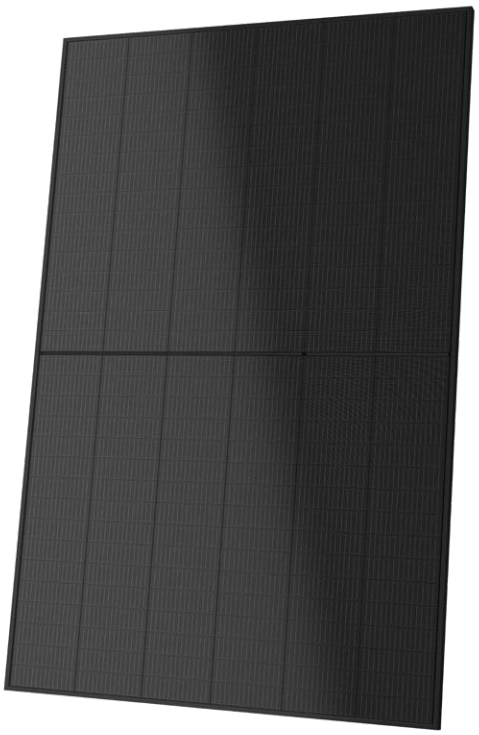
# TIGER Neo III

JinKO Solar

# 48QL6-DB

## 465-485 Watt

ALL BLACK 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.

### Proven Low Light Performance

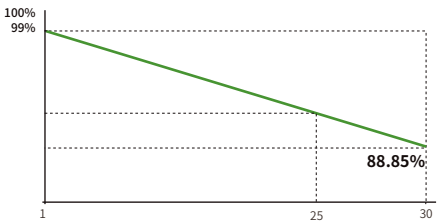
Enhanced cell structure ensures superior module performance under low-light conditions.

### Industry Leading Warranty

Advanced metallization and iterated module encapsulation deliver superior resistance to PID, LID / LeTID, and UV degradation.

### Mechanical Load Enhanced

Certified to withstand:
6000 Pa front side max static test load
4000 Pa rear side max static test load




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

**JKM465-485N-48QL6-DB-F5-EU**

# 48QL6-DB 465-485 Watt

## 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 | JK03M/JK03M2/Others* |
| Output Cables (Including Connector) | ⩾ 4.0 $mm^2$<br>(+): 500 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,<br>962 pcs/ 40'HQ Container |

## Specifications (STC)

| | | | | | |
|---|---|---|---|---|---|
| Maximum Power - Pmax [Wp]* | 465 | 470 | 475 | 480 | 485 |
| Maximum Power Voltage - Vmp [V] | 30.80 | 30.97 | 31.13 | 31.32 | 31.50 |
| Maximum Power Current - Imp [A] | 15.10 | 15.18 | 15.26 | 15.33 | 15.40 |
| Open-circuit Voltage - Voc [V] | 35.94 | 36.19 | 36.44 | 36.69 | 36.94 |
| Short-circuit Current - Isc [A] | 15.75 | 15.80 | 15.85 | 15.89 | 15.94 |
| Module Efficiency STC [%] | 23.27 | 23.52 | 23.77 | 24.02 | 24.27 |
| 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 | | | | |

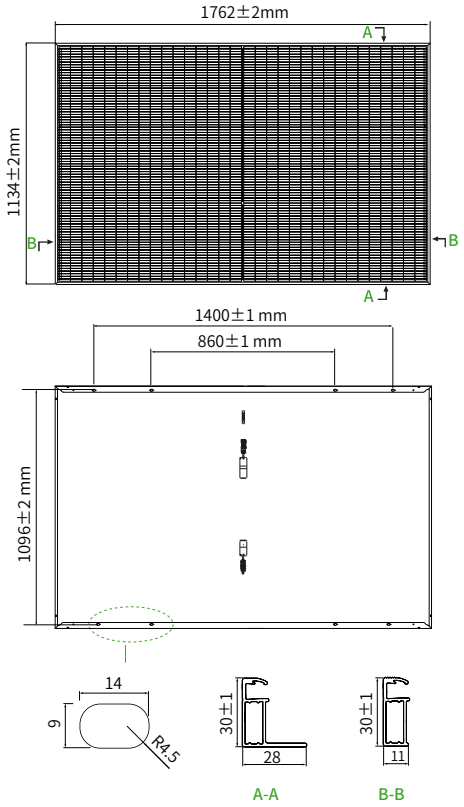
STC: Irradiance 1000W/$m^2$, Cell Temperature 25°C, AM=1.5. *Power measurement tolerance: ±3%

## 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 |

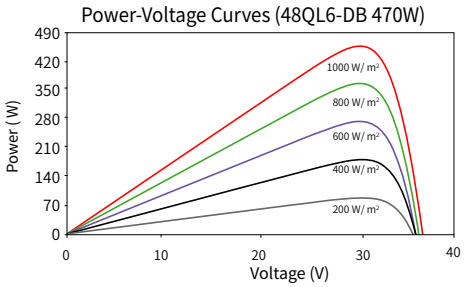
*Short-term up to 85°C; higher operation requires IEC TS 63126 testing

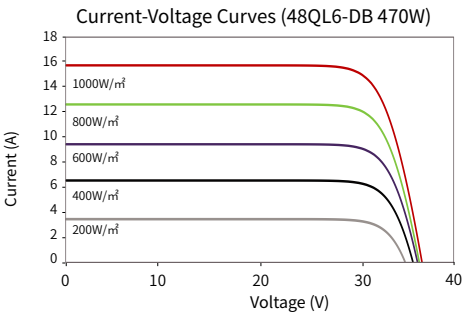
## Engineering Drawings




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

## Electrical Performance




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**JKM465-485N-48QL6-DB-F5-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.