TIGER Neo III Safety King

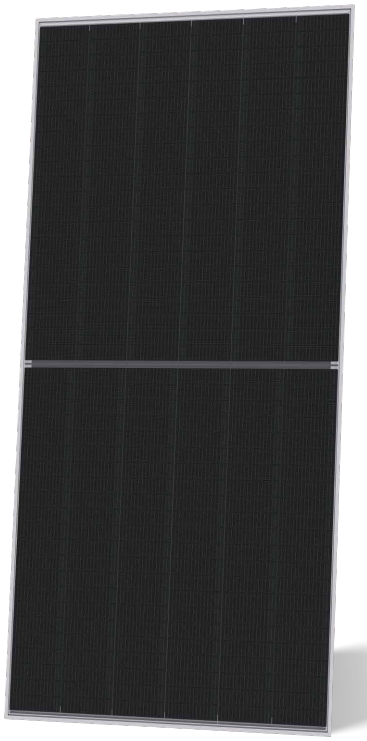
JinKO Solar

# 66QL6-BDX

645-670 Watt

85±5% Bifaciality

BIFACIAL MODULE

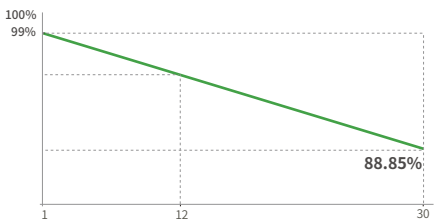


## Higher Power on Front Side

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

## Better Generation on Rear Side

Enabling industry-leading bifaciality in TOPCon cells through an improved structure that enhances light absorption and trapping.




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

## Fire Rating A

Obtained fire rating class A test report.

## Proven Low Light Performance

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

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

## High Hail Resistance

Tested to withstand hail strikes of up to 55mm.

## Mechanical Load Enhanced

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

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# 66QL6-BDX 645-670 Watt

## Mechanical Characteristics

| | |
|---|---|
| Cell Type | N- type Mono-crystalline |
| No. of Cells | 264 (66×4) |
| Dimensions | 2382×1134×30 mm |
| Weight | 40.5 kg |
| Front Glass | 2.5 mm, Anti-reflection Coating |
| Back Glass | 2.5 mm, Heat Strengthened Glass |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68 Rated |
| Protection Class | Class II |
| IEC Fire Type | Class A |
| Connector Type | JK03M / JK03M2 / Others* |
| Output Cables (Including Connector) | ⩾4.0 $mm^2$ (+): 500 mm , (-): 400 mm or Customized Length |

*MC4-EVO2 available upon request and subject to availability

## Packaging Configuration

| | |
|---|---|
| Pallet Dimensions | 2412×1140×1254 mm |
| Packing Detail (Two pallets = One stack) | 36 pcs/pallet, 72 pcs/stack, 576 pcs/ 40'HQ Container |

## Specifications (STC)

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Power - Pmax [Wp] | 645 | 650 | 655 | 660 | 665 | 670 |
| Maximum Power Voltage - Vmp [V] | 42.44 | 42.57 | 42.70 | 42.78 | 42.85 | 42.92 |
| Maximum Power Current - Imp [A] | 15.20 | 15.27 | 15.34 | 15.43 | 15.52 | 15.61 |
| Open-circuit Voltage - Voc [V] | 50.08 | 50.26 | 50.44 | 50.50 | 50.55 | 50.60 |
| Short-circuit Current - Isc [A] | 15.92 | 15.98 | 16.04 | 16.14 | 16.24 | 16.34 |
| Module Efficiency STC [%] | 23.88 | 24.06 | 24.25 | 24.43 | 24.62 | 24.80 |
| Bifacial Factor | 85 ± 5% | | | | | |
| Power Measurement Tolerance | ± 3% | | | | | |
| 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

## Specifications (BNPI)

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Power - Pmax [Wp]* | 718 | 724 | 729 | 735 | 741 | 746 |
| Maximum Power Voltage - Vmp [V] | 42.35 | 42.52 | 42.69 | 42.70 | 42.75 | 42.80 |
| Maximum Power Current - Imp [A] | 16.97 | 17.04 | 17.10 | 17.21 | 17.32 | 17.42 |
| Open-circuit Voltage - Voc [V] | 50.20 | 50.38 | 50.56 | 50.70 | 50.75 | 50.80 |
| Short-circuit Current - Isc [A] | 17.73 | 17.80 | 17.87 | 17.98 | 18.09 | 18.20 |

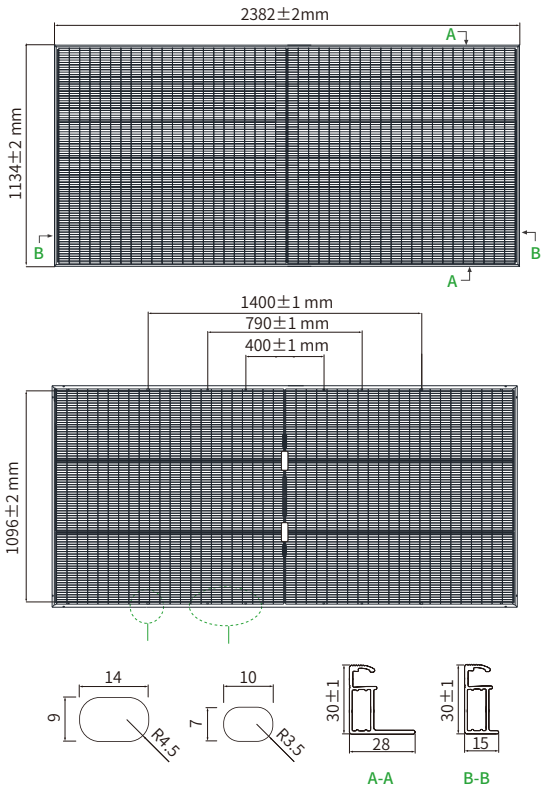
BNPI: Irradiance: Front 1000W/$m^2$, Rear 135W/$m^2$, Cell Temperature 25°C, AM=1.5.
*Power measurement tolerance: ±3%

## Application Conditions

| | |
|---|---|
| Level $T_{98}$ ⩽ 70 °C | -40 °C ~ +70 °C* |
| Maximum System Voltage | 1500 VDC (IEC) |
| Maximum Series Fuse Rating | 35 A |

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

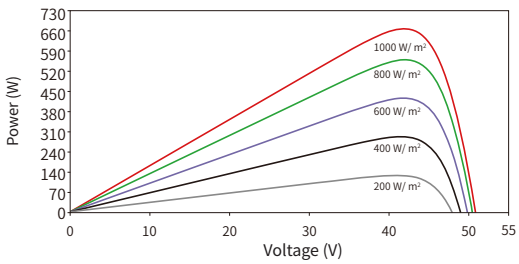
## Engineering Drawings




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

## Electrical Performance

Power-Voltage Curves (66QL6-BDX 660W)




Current-Voltage Curves (66QL6-BDX 660W)

