

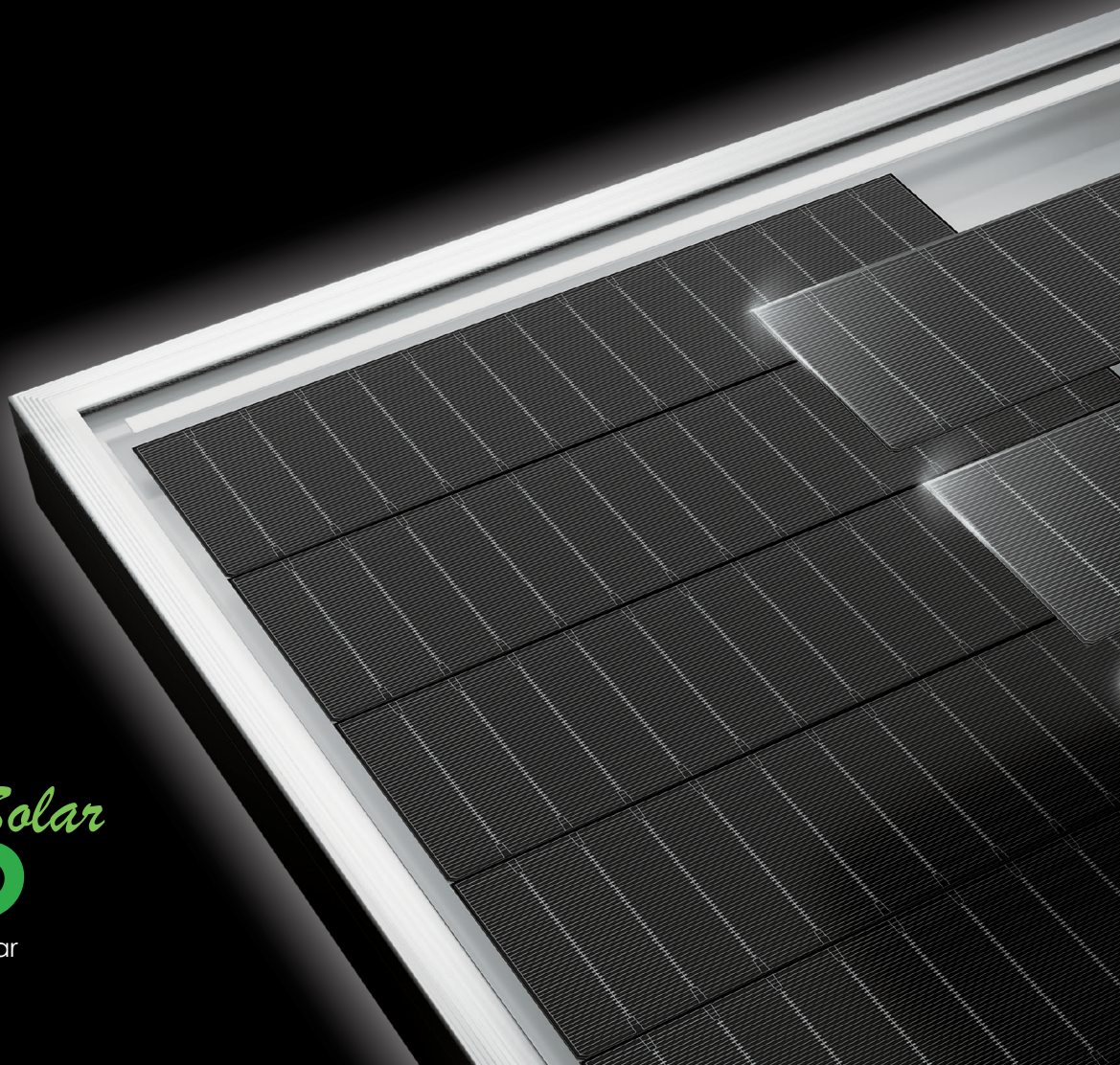
2026 | NEXT GENERATION

TIGER Neo III

Cutting edge solar technology is here

Delivering unmatched power, reliability and performance for decades to come.

Solar
Jinko
Building your trust in solar



TIGER Neo III

Installing now - Australia wide



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Benefits of TIGER Neo III



**650-
670Wp
Power**

Catch more sunlight on front side

Based on TOPCon technology platform, achieved through cutting-edge technology and an optimised layout that captures more sunlight. This makes Neo 3.0 panels reach record high module efficiency of 24.8%, 650-670Wp in 66-cell. This makes Neo 3.0 perfect for both utility and rooftop applications.



**85±5%
Bifaciality**

Generate much better on rear side

Enabling 90% bifaciality of efficient TOPCon cell by an improved structure to enhance light absorption and trapping, as a result, Neo 3.0 bifacial modules are encapsulated with an impressive bifaciality of 85±5% and a power output of 670 W. This is great for utility projects where panels are mounted up high as well as C&I where light can more or less bounce up from below. BTW, you get these extra power generated by rear side free of charge.



**-0.26%/°C
Temp
Coefficient**

Handles heat better

When solar panels heat up, their electricity output drops. Neo 3.0 panels lose less power in hot weather (temperature coefficient of -0.26%/°C). In most places in the world, this means 1.5-1.7% more energy over a year. In tropical and hot areas, the advantage is even greater.

Benefits of TIGER Neo III



96.77%
Low Irradiation

200W/m²
performance index

This term correlates for difference between low irradiation 200W/m² and STC condition 1000W/m² used for actual power generation. The industry high index indicates the better low light response that can generate more electricity in practical applications.



- 0.35%
Linear
Degradation

Proven to last

TOPCon cells offer better long-term reliability and stability in certain degradation scenarios, particularly regarding UV degradation in BC cells. Neo 3.0 degrades at 0.30-0.35% per year, which is significantly better than BC panels of about 0.4%. It demonstrates advantages in certain critical degradation pathways.



2-3%
Average
Yield Gain

Overall gain guaranteed

In the number of independent field tests conducted, TOPCon modules achieved a performance ratio of 5% higher than BC counterparts on average, which results in generating an average of 2-3% more energy than BC modules annually.

48QL6-DV

460-485 Watt

MONO-FACIAL MODULE WITH DUAL GLASS

JKM460-485N-48QL6-DV-F4-OC

25
year

Product
warranty

30
year

Linear power
warranty

1%
first year
degradation

0.35%
annual
degradation
over 30 years

Higher power on front side

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

Optimised heat resistance

Optimised 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.

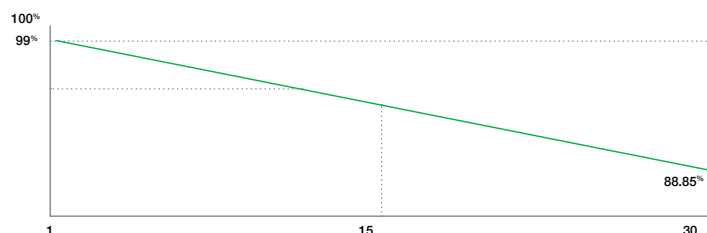
Mechanical load enhanced

Certified to withstand:

- 6000 Pa front side max static test load
- 4000 Pa rear side max static test load

Industry leading warranty

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



System and product certifications

IEC61215:2021,
IEC61730:2023

ISO9001:2015:
Quality
Management
System

ISO14001:2015:
Environment
Management
System

ISO45001:2018:
Occupational
health and safety
management systems



Mechanical characteristics

Cell Type	N- type Mono-crystalline
No. of cells	192 (48 x 4)
Dimensions	1762 x 1134 x 30 mm
Weight	21.7 kg
Front Glass	1.6 mm, anti-reflection coating
Back Glass	1.6 mm, heat strengthened glass
Frame	Anodised aluminium alloy
Junction Box	IP68 rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	PV-JK03M/xy,PV-JK03M2/xy (JinkO) ; PV-KST4-EVO2A/xy,PV-KBT4-EVO2A/xy (Staubli)
Output Cables (Including Connector)	≥4.0 mm ² (+): 500 mm , (-): 400 mm or (+): 1400 mm , (-): 1400 mm or customized length

* MC4-EVO2 available upon request and subject to availability

Specifications (STC)

Max. Power - Pmax [Wp]	460	465	470	475	480	485
Max. Power Voltage - Vmp [V]	30.57	30.74	30.93	31.11	31.30	31.48
Max. Power Current - Imp [A]	15.05	15.13	15.20	15.27	15.34	15.41
Open-circuit Voltage - Voc [V]	35.67	35.92	36.17	36.42	36.67	36.92
Short-circuit Current - Isc [A]	15.72	15.77	15.82	15.86	15.90	15.95
Module Efficiency STC [%]	23.02	23.27	23.52	23.77	24.02	24.27
Power Measurement Tolerance	0 ~ + 3 %					
Power Sorting	-5W ~ +15W					
Temp. Coefficient of Pmax	-0.26%/°C					
Temp. Coefficient of Voc	-0.24%/°C					
Temp. Coefficient of Isc	0.046%/°C					

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

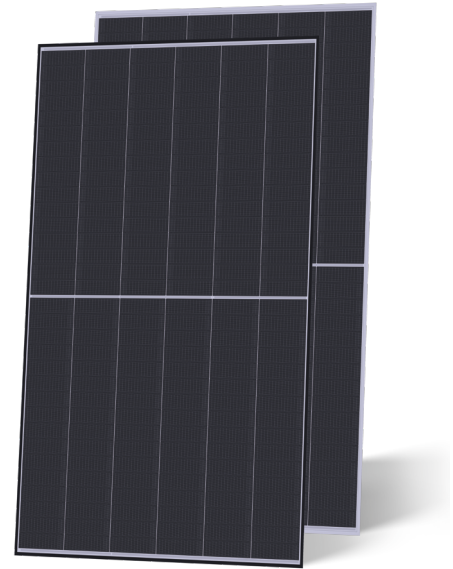
Packaging configuration

Pallet Dimensions	1792 x 1140 x 1249 mm
Packing Detail (2 pallets= 1 stack)	37 pcs/pallets, 74 pcs/stack, 962 pcs/ 40'HQ Container

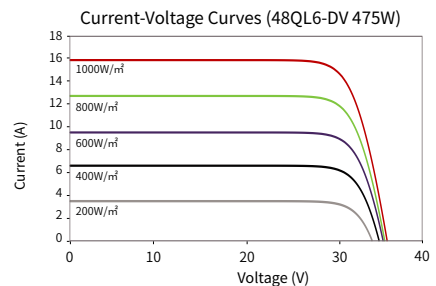
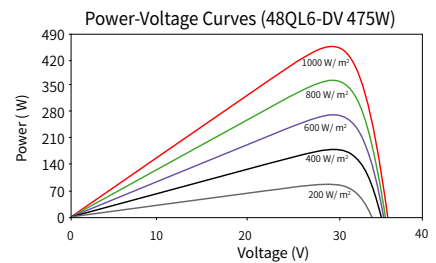
Application conditions

Level T ₉₈ ≤ 70 °C	- 40 °C to+ 70 °C*
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	30A

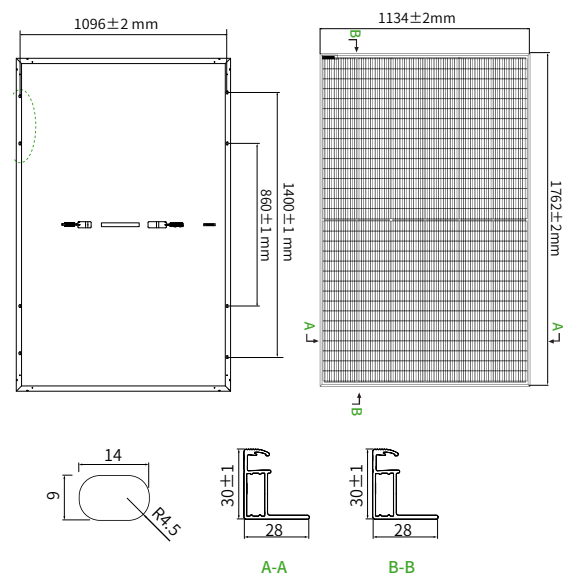
*Short-term up to 85°C; higher operation requires IEC TS 63126 testing



Electrical performance



Engineering drawings



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

48QL6-DB

460-480 Watt

ALL BLACK MONO-FACIAL MODULE WITH DUAL GLASS

JKM460-485N-48QL6-DB-F4-OC

25
year

Product
warranty

30
year

Linear power
warranty

1%
first year
degradation

0.35%
annual
degradation
over 30 years

Higher power on front side

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

Optimised heat resistance

Optimised 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.

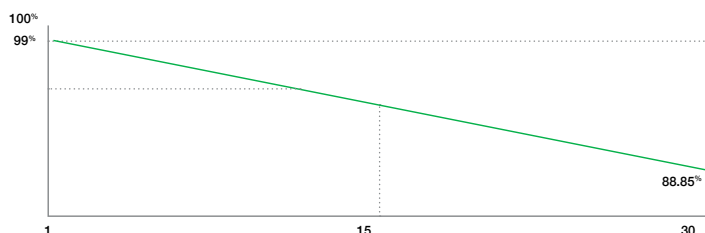
Mechanical load enhanced

Certified to withstand:

- 5400 Pa front side max static test load
- 2400 Pa rear side max static test load

Industry leading warranty

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



System and product certifications

IEC61215:2021,
IEC61730:2023

ISO9001:2015:
Quality
Management
System

ISO14001:2015:
Environment
Management
System

ISO45001:2018:
Occupational
health and safety
management systems



Mechanical characteristics

Cell Type	N- type Mono-crystalline
No. of cells	192 (48 x 4)
Dimensions	1762 x 1134 x 30 mm
Weight	21.5 kg
Front Glass	1.6 mm, anti-reflection coating
Back Glass	1.6 mm, heat strengthened glass
Frame	Anodised aluminium alloy
Junction Box	IP68 rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	PV-JK03M/xy,PV-03M2/xy (Jinko) ; PV-KST4-EVO2A/xy,PV-KBT4-EVO2A/xy (Staubli)
Output Cables (Including Connector)	≥4,0 mm ² (+): 500 mm , (-): 400 mm or (+): 1400 mm , (-): 1400 mm or Customized Length

* MC4-EVO2 available upon request and subject to availability

Specifications (STC)

Max. Power - Pmax [Wp]	460	465	470	475	480	485
Max. Power Voltage - Vmp [V]	30.63	30.80	30.97	31.13	31.32	31.50
Max. Power Current - Imp [A]	15.02	15.10	15.18	15.26	15.33	15.40
Open-circuit Voltage - Voc [V]	35.69	35.94	36.19	36.44	36.69	36.94
Short-circuit Current - Isc [A]	15.70	15.75	15.80	15.85	15.89	15.94
Module Efficiency STC [%]	23.02	23.27	23.52	23.77	24.02	24.27
Power Measurement Tolerance	± 3%					
Power Sorting	-5W ~ +15W					
Temp. Coefficient of Pmax	-0.26%/°C					
Temp. Coefficient of Voc	-0.24%/°C					
Temp. Coefficient of Isc	0.046%/°C					

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

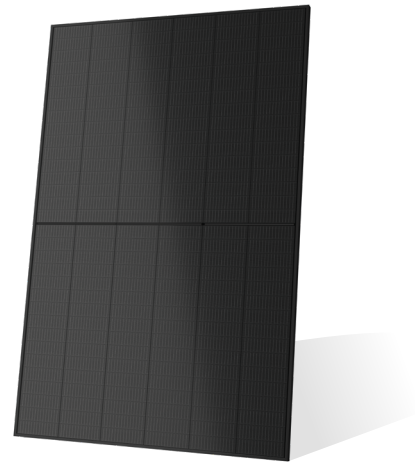
Packaging configuration

Pallet Dimensions	1792 x 1140 x 1249 mm
Packing Detail (2 pallets= 1 stack)	37 pcs/pallets, 74 pcs/stack, 962 pcs/ 40'HQ Container

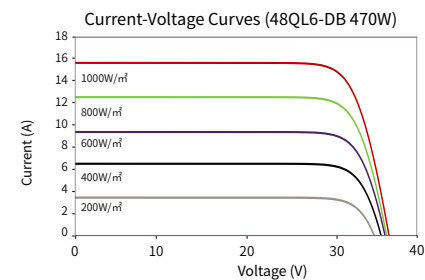
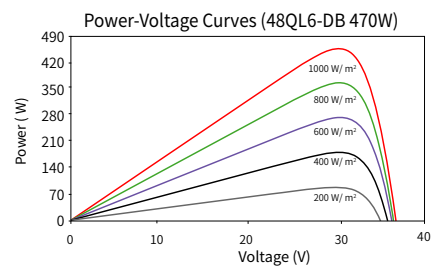
Application conditions

Level T ₉₈ ≤ 70 °C	- 40 °C to + 70 °C*
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	30A

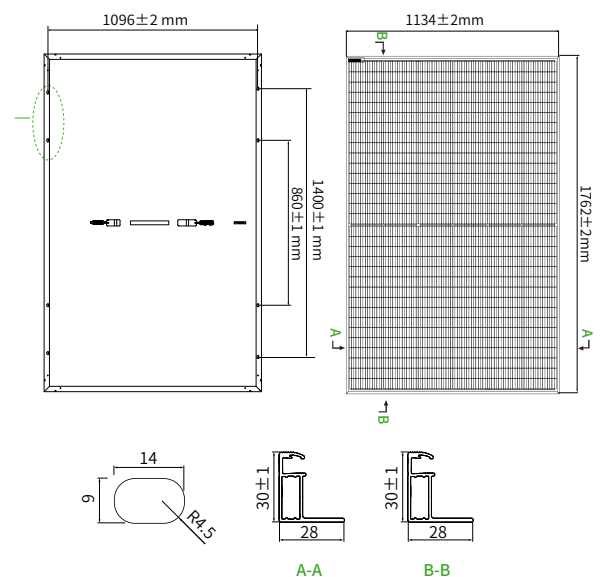
*Short-term up to 85°C; higher operation requires IEC TS 63126 testing



Electrical performance



Engineering drawings



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

51QL6-DV

495-520 Watt

MONO-FACIAL MODULE WITH DUAL GLASS

JKM495-520N-51QL6-DV-F5C4-OC

25
year

Product
warranty

30
year

Linear power
warranty

1%
first year
degradation

0.35%
annual
degradation
over 30 years

Higher power on front side

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

Optimised heat resistance

Optimised temperature coefficient via advanced graphical patterning, busbar and multi-cells technology.

Proven low light performance

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

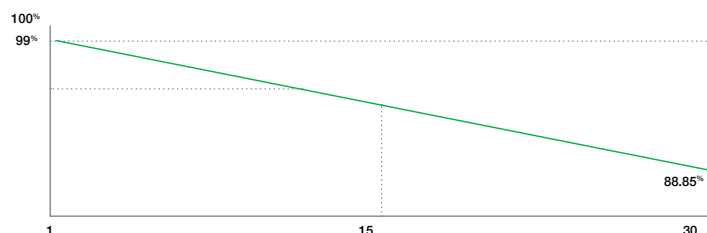
Mechanical load enhanced

Certified to withstand:

- 5400 Pa front side max static test load
- 2400 Pa rear side max static test load

Industry leading warranty

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



System and product certifications

IEC61215:2021,
IEC61730:2023

ISO9001:2015:
Quality
Management
System

ISO14001:2015:
Environment
Management
System

ISO45001:2018:
Occupational
health and safety
management systems



Mechanical characteristics

Cell Type	N- type Mono-crystalline
No. of cells	204 (51×4)
Dimensions	1906×1134×30 mm
Weight	23.7 kg
Front Glass	1.6 mm, Anti-reflection Coating
Back Glass	1.6 mm, Heat Strengthened Glass
Frame	Anodised aluminium alloy
Junction Box	IP68 rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	PV-JK03M/xy,PV-JK03M2/xy; PV-KST4-EVO2A/xy,PV-KBT4-EVO2A/xy (Staubli)
Output Cables (Including Connector)	≥4.0 mm ² (+): 500 mm ,(-): 400 mm or Customised Length

* MC4-EVO2 available upon request and subject to availability

Specifications (STC)

Max. Power - Pmax [Wp]	495	500	505	510	515	520
Max. Power Voltage - Vmp [V]	32.74	32.90	33.05	33.21	33.36	33.51
Max. Power Current - Imp [A]	15.12	15.20	15.28	15.36	15.44	15.52
Open-circuit Voltage - Voc [V]	38.18	38.44	38.69	38.94	39.19	39.44
Short-circuit Current - Isc [A]	15.75	15.80	15.85	15.90	15.95	15.99
Module Efficiency STC [%]	22.90	23.13	23.36	23.60	23.83	24.06
Power Measurement Tolerance	± 3%					
Power Sorting	-5W ~ +15W					
Temp. Coefficient of Pmax	-0.26 %/°C					
Temp. Coefficient of Voc	-0.24 %/°C					
Temp. Coefficient of Isc	0.046 %/°C					

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

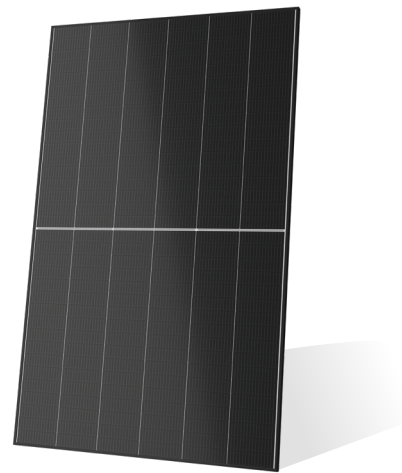
Packaging configuration

Pallet Dimensions	1936×1140×1249 mm
Packing Detail (2 pallets= 1 stack)	37 pcs/pallets, 74 pcs/stack, 888 pcs/ 40'HQ Container

Application conditions

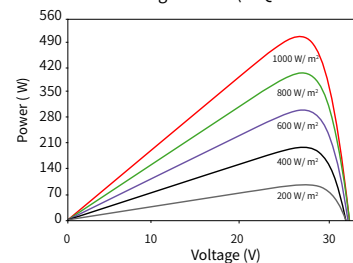
Level T ₉₈ ≤ 70 °C	- 40 °C to +70 °C*
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	30A

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

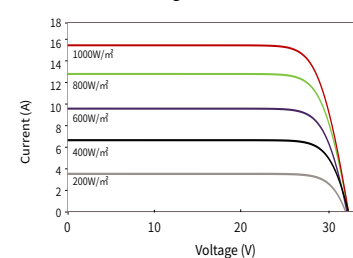


Electrical performance

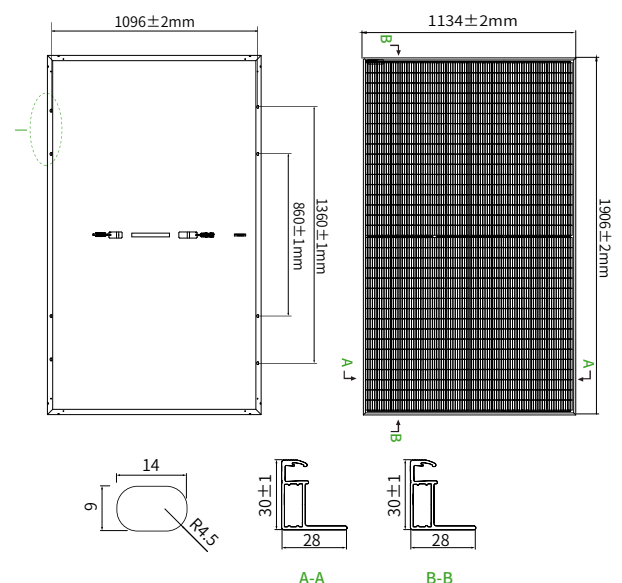
Power-Voltage Curves (51QL6-DV 505W)



Current-Voltage Curves (51QL6-DV 505W)



Engineering drawings



54QL6-DV

530-550 Watt

MONO-FACIAL MODULE WITH DUAL GLASS

JKM530-550N-54QL6-DV-Pre2-EN



**Product
warranty**



**Linear power
warranty**



Higher power on front side

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

Optimised heat resistance

Optimised temperature coefficient via advanced graphical patterning, busbar and multi-cells technology.

Proven low light performance

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

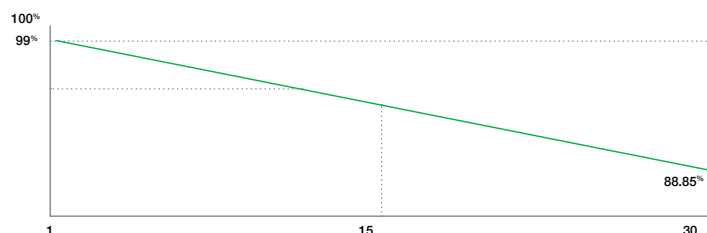
Mechanical load enhanced

Certified to withstand:

- 5400 Pa front side max static test load
- 2400 Pa rear side max static test load

Industry leading warranty

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



System and product certifications

IEC61215:2021,
IEC61730:2023

ISO9001:2015:
Quality
Management
System

ISO14001:2015:
Environment
Management
System

ISO45001:2018:
Occupational
health and safety
management systems



Mechanical characteristics

Cell Type	N- type Mono-crystalline
No. of cells	216 (54 × 4)
Dimensions	1980 × 1134 × 30 mm
Weight	28.0 kg
Front Glass	2.0 mm, Anti-reflection coating
Back Glass	2.0 mm, Heat atrengthened glass
Frame	Anodised 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 (+): 500 mm ,(-): 400 mm or Customised Length

* MC4-EVO2 available upon request and subject to availability

Specifications (STC)

Max. Power - Pmax [Wp]	530	535	540	545	550
Max. Power Voltage - Vmp [V]	4.53	34.71	34.90	35.08	35.26
Max. Power Current - Imp [A]	15.35	15.41	15.47	15.54	15.60
Open-circuit Voltage - Voc [V]	40.43	40.63	40.83	41.03	41.23
Short-circuit Current - Isc [A]	16.01	16.05	16.09	16.13	16.17
Module Efficiency STC [%]	23.60	23.83	24.05	24.27	24.50
Power Sorting	0 ~ + 3 %				
Temp. Coefficient of Pmax	-0.26 %/°C				
Temp. Coefficient of Voc	-0.24 %/°C				
Temp. Coefficient of Isc	0.046 %/°C				

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5. *Power measurement tolerance: ±3%.

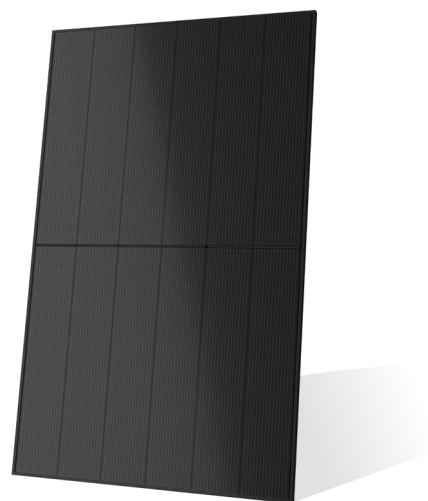
Packaging configuration

Pallet Dimensions	1990 × 1140 × 1249 mm
Packing Detail (2 pallets= 1 stack)	36 pcs/pallets, 72 pcs/stack, 864 pcs/ 40'HQ Container

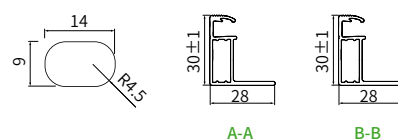
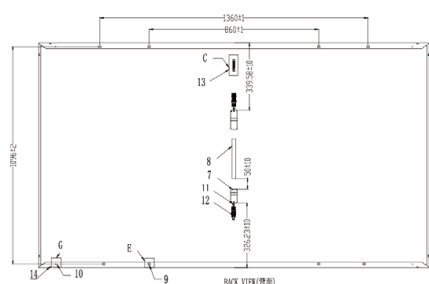
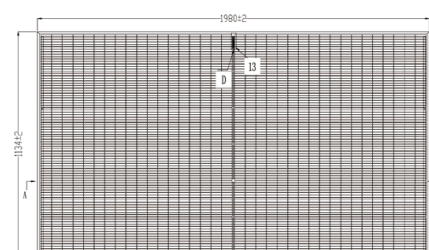
Application conditions

Level T ₉₈ ≤ 70 °C	- 40 °C to +70 °C*
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	30A

*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.

66QL6-BDV

650-670 Watt
85±5% Bifaciality

BIFACIAL MODULE

JKM650-670N-66QL6-BDV-F4-OC

12
year

Product
warranty

30
year

Linear power
warranty

1%
first year
degradation

0.35%
annual
degradation
over 30 years

Higher power on front side

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

Optimised heat resistance

Optimised temperature coefficient via advanced graphical patterning, busbar and multi-cells technology.

Proven low light performance

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

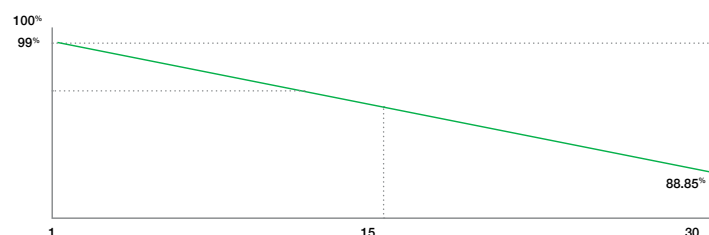
Mechanical load enhanced

Certified to withstand:

- 5400 Pa front side max static test load
- 2400 Pa rear side max static test load

Better Generation on Rear Side

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



System and product certifications

IEC61215:2021,
IEC61730:2023

ISO9001:2015:
Quality
Management
System

ISO14001:2015:
Environment
Management
System

ISO45001:2018:
Occupational
health and safety
management systems



Mechanical characteristics

Cell Type	N- type Mono-crystalline
No. of cells	264 (66×4)
Dimensions	2382×1134×30 mm
Weight	32.5 kg
Front Glass	2.0 mm, Anti-reflection Coating
Back Glass	2.0 mm, Heat Strengthened Glass
Frame	Anodised aluminium alloy
Junction Box	IP68 rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	PV-JK03M/xy, PV-JK03M2/xy, PV-JC001/xy, PV-JC006/xyz (JinkO); PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy (Staubli)
Output Cables	≥4.0 mm ²
(Including Connector)	(+): 500 mm ,(-): 400 mm or Customised Length

Specifications (STC)

Max. Power - Pmax [Wp]	650	655	660	665	670
Max. Power Voltage - Vmp [V]	42.57	42.70	42.78	42.85	42.92
Max. Power Current - Imp [A]	15.27	15.34	15.43	15.52	15.61
Open-circuit Voltage - Voc [V]	50.26	50.44	50.50	50.55	50.60
Short-circuit Current - Isc [A]	15.98	16.04	16.14	16.24	16.34
Module Efficiency STC [%]	24.06	24.25	24.43	24.62	24.80
Bifacial Factor	85 ± 5%				
Power Measurement Tolerance	± 3%				
Power Sorting	0 ~ +3 %				
Temp. Coefficient of Pmax	-0.26 %/°C				
Temp. Coefficient of Voc	-0.24 %/°C				
Temp. Coefficient of Isc	0.046 %/°C				

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Specifications (BNPI)

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

Bifacial Output-Rearside Power Gain

[15%] Max. Power - Pmax [Wp]	748	753	759	765	771
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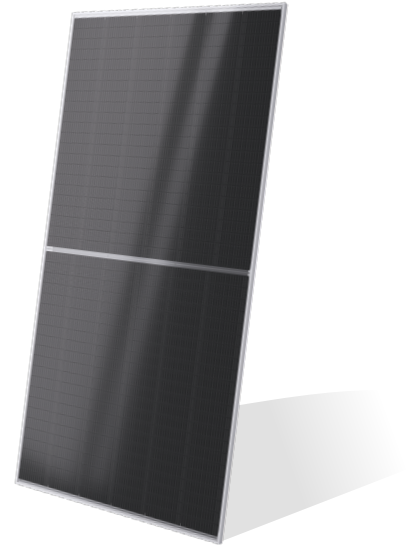
Packaging configuration

Pallet Dimensions	2396×1110×1251mm
Packing Detail (2 pallets= 1 stack)	36 pcs/pallets, 72 pcs/stack, 720 pcs/ 40'HQ Container

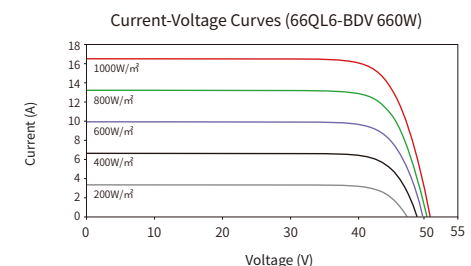
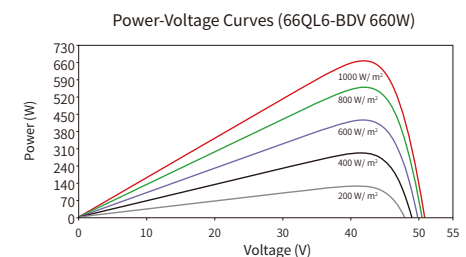
Application conditions

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

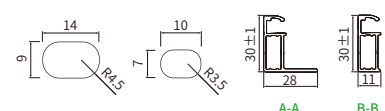
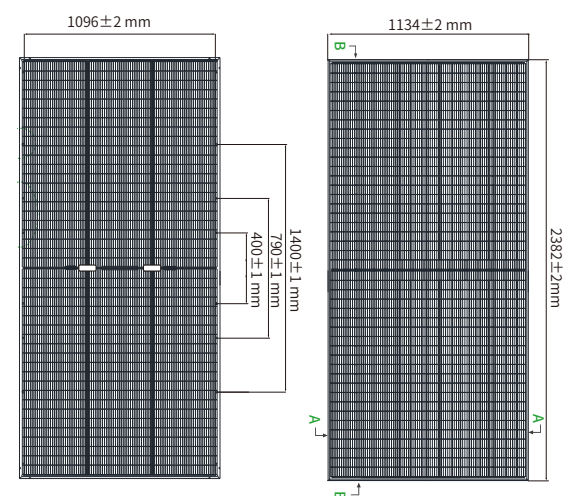
*Short-term up to 85°C; higher operation requires IEC TS 63126 testing



Electrical performance



Engineering drawings



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

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