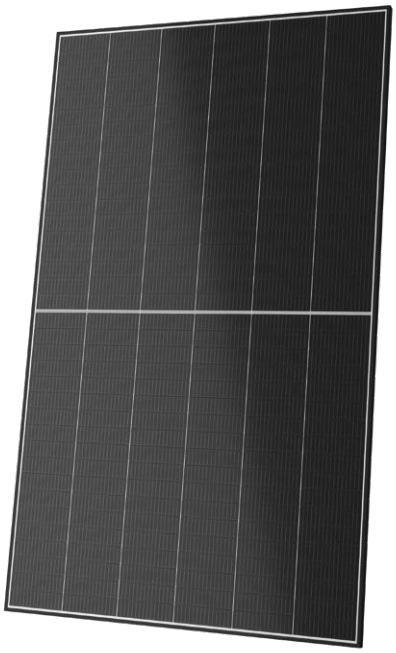
TIGER Neo III

JinKO Solar

54QL6-DV

520-545 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

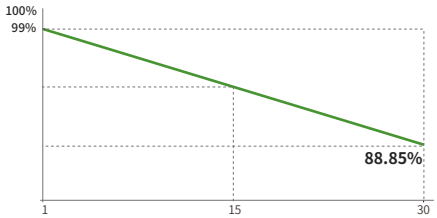
Optimized temperature coefficient achieved via advanced graphical patterning, busbar and multi-cell technology.

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



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

*Warranty valid under Standard Test Conditions (STC) only

- 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

JKM520-545N-54QL6-DV-F1C1-OC

JKMxxxN-54QL6-DV (xxx=520-545, in steps of 5)

Mechanical Characteristics

Cell Type	N- type Mono-crystalline
No. of cells	216 (54×4)
Dimensions	1980×1134×30 mm
Weight	27.5 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); PV-KST4-EVO2A/xy,PV-KBT4-EVO2A/xy (Staubli)
Output Cables (Including Connector)	⩾ 4.0 mm² (+): 500 mm , (-): 400 mm or (+): 1400 mm , (-): 1400 mm or Customized Length

* MC4-EVO2 available upon request and subject to availability

Packaging Configuration

Pallet Dimensions	1996×1110×1249 mm
Packing Detail (Two pallets = One stack)	36 pcs/pallets, 72 pcs/stack, 864 pcs/ 40'HQ Container

Specifications (STC)

Maximum Power - Pmax [Wp]	520	525	530	535	540	545
Maximum Power Voltage - Vmp [V]	33.80	33.98	34.16	34.34	34.52	34.70
Maximum Power Current - Imp [A]	15.39	15.45	15.52	15.58	15.64	15.71
Open-circuit Voltage - Voc [V]	39.61	39.78	39.95	40.12	40.29	40.46
Short-circuit Current - Isc [A]	16.18	16.24	16.28	16.33	16.37	16.42
Module Efficiency STC [%]	23.16	23.38	23.60	23.83	24.05	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					

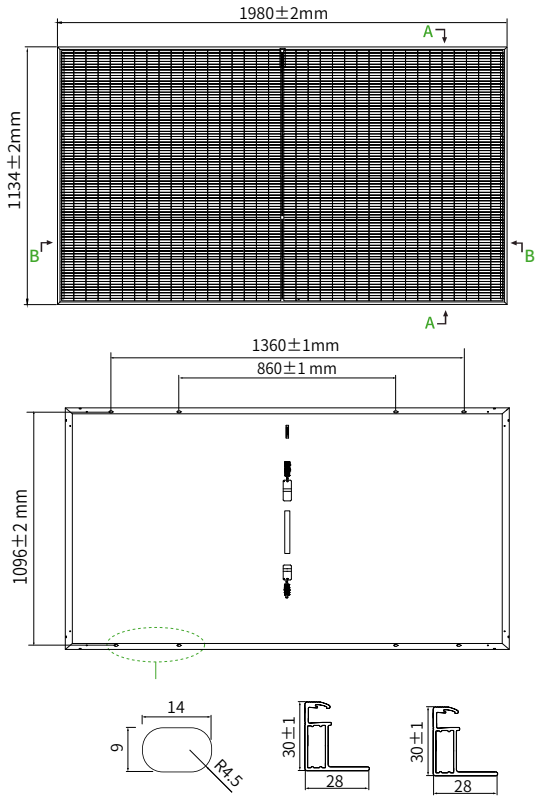
STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

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

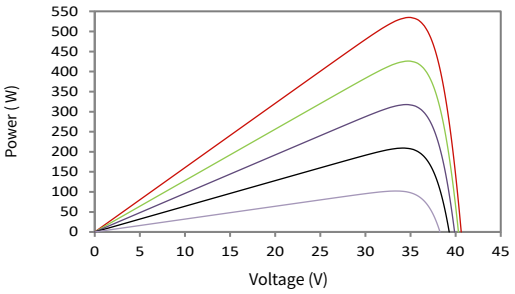
Engineering Drawings



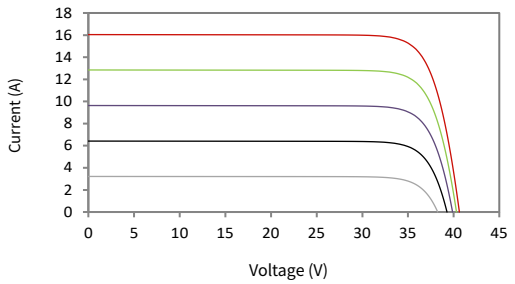
*Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance

Power-Voltage Curves (54QL6-DV 535W)



Current-Voltage Curves (54QL6-DV 535 W)



Made in China

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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.

JKM520-545N-54QL6-DV-F1C1-OC

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