

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.

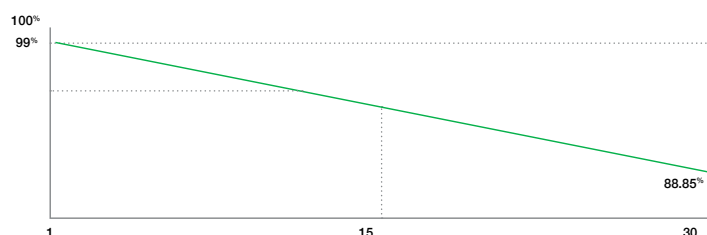
Mechanical load enhanced

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

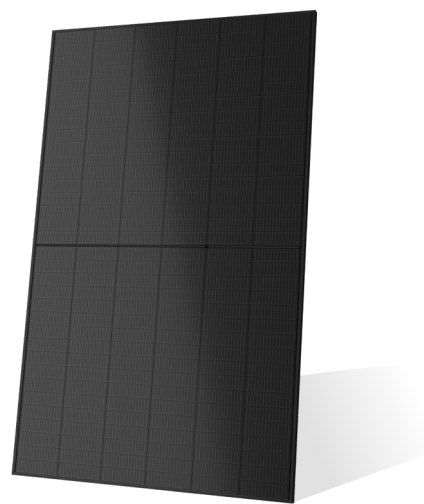
ISO45001:2018:
Occupational
health and safety
management systems



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 strengthened 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

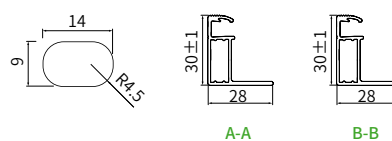
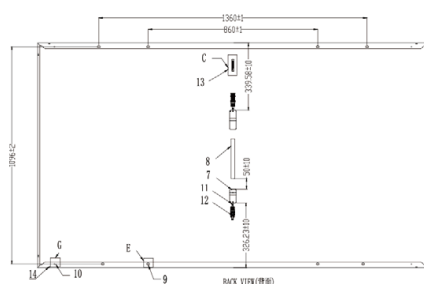
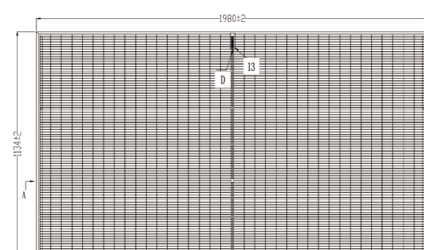
Pallet Dimensions	1990 x1140 x1249 mm
Packing Detail (2 pallets= 1 stack)	36 pcs/pallets, 72 pcs/stack, 864 pcs/ 40'HQ Container

Application conditions

Level T₉₈ ≤ 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.