

TIGER Neo

48HL4M-DB

460-480 Watt

ALL BLACK MONO-FACIAL MODULE
WITH DUAL GLASS

N-type



HOT 3.0 Technology

N-type modules with JinkoSolar's HOT 3.0 technology offer better reliability and efficiency.

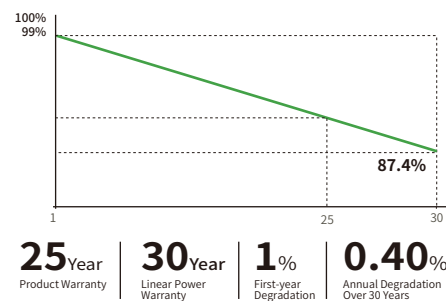


Mechanical Load Enhanced

Certified to withstand:

5400 Pa front side max static test load

2400 Pa rear side max static test load



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



POSITIVE QUALITY™
Continuous Quality Assurance

JKM460-480N-48HL4M-DB-Z1C2-OC

JKMxxxN-48HL4M-DB (xxx=460-480, in steps of 5)

Mechanical Characteristics

Cell Type	N- type Mono-crystalline
No. of cells	96 (48×2)
Dimensions	1762×1134×30 mm
Weight	20.0 kg
Front Glass	1.6 mm, Anti-reflection Coating
Back Glass	1.6 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 mm ² (+): 400 mm , (-): 200 mm or Customized Length

* MC4 and 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, 962 pcs/ 40'HQ Container

Specifications (STC)

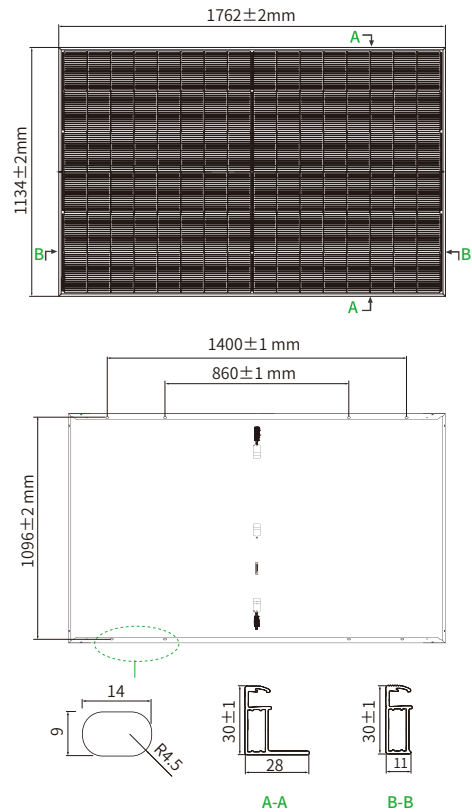
Maximum Power - Pmax [Wp]	460	465	470	475	480
Maximum Power Voltage - Vmp [V]	30.71	30.94	31.17	31.40	31.63
Maximum Power Current - Imp [A]	14.98	15.03	15.08	15.13	15.18
Open-circuit Voltage - Voc [V]	36.38	36.55	36.72	36.89	37.06
Short-circuit Current - Isc [A]	15.86	15.91	15.96	16.01	16.06
Module Efficiency STC [%]	23.02	23.27	23.52	23.77	24.02
Power Measurement Tolerance	± 3%				
Power Sorting	-5W ~ +15W				
Temperature Coefficients of Pmax	-0.29 %/°C				
Temperature Coefficients of Voc	-0.25 %/°C				
Temperature Coefficients of Isc	0.045 %/°C				

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

Application Conditions

Operating Temperature	-40 °C ~ +70 °C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	30 A

Engineering Drawings



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

Electrical Performance

