

TIGER Neo

48HL4M-DV

440-470 Watt

MONO-FACIAL MODULE
WITH DUAL GLASS

N-type



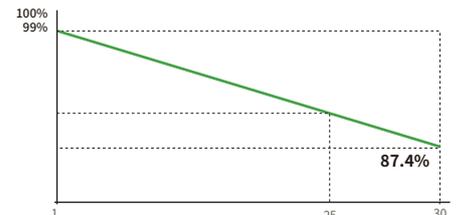
HOT 3.0 Technology

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



| | | | |
|------------------------------------|--|---|--|
| 25 Year Product Warranty | 30 Year Linear Power Warranty | 1 % First-year Degradation | 0.40 % Annual Degradation Over 30 Years |
|------------------------------------|--|---|--|

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



JKMxxxN-48HL4M-DV (xxx=440-470, 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)

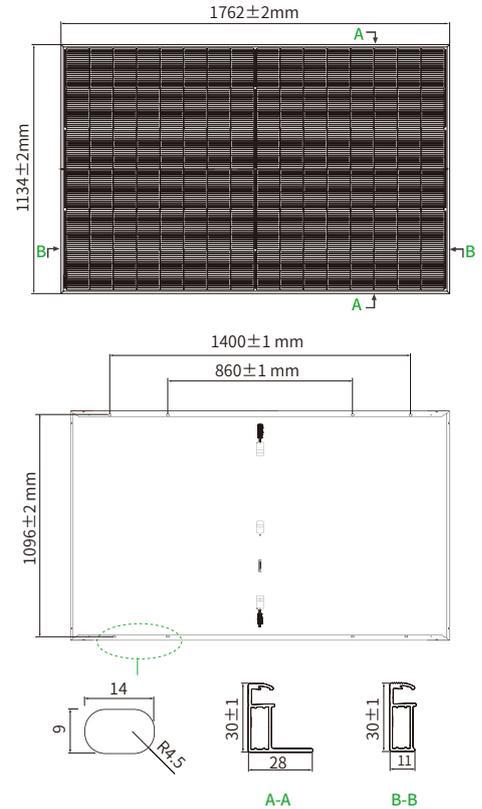
| | | | | | | | |
|----------------------------------|------------|-------|-------|-------|-------|-------|-------|
| Maximum Power - Pmax [Wp] | 440 | 445 | 450 | 455 | 460 | 465 | 470 |
| Maximum Power Voltage - Vmp [V] | 29.57 | 29.81 | 30.04 | 30.28 | 30.51 | 30.74 | 30.97 |
| Maximum Power Current - Imp [A] | 14.88 | 14.93 | 14.98 | 15.03 | 15.08 | 15.13 | 15.18 |
| Open-circuit Voltage - Voc [V] | 35.54 | 35.71 | 35.88 | 36.05 | 36.22 | 36.39 | 36.56 |
| Short-circuit Current - Isc [A] | 15.73 | 15.78 | 15.83 | 15.88 | 15.93 | 15.98 | 16.03 |
| Module Efficiency STC [%] | 22.02 | 22.27 | 22.52 | 22.77 | 23.02 | 23.27 | 23.52 |
| 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

