

# TIGER Neo

## 72HL4-(V)

570-590 Watt  
MONO-FACIAL MODULE

N-type



### N-type Technology

N-type modules with Tunnel Oxide Passivating Contacts (TOPCon) technology offer lower LID/LeTID degradation and better low light performance.



### HOT 2.0 Technology

N-type modules with JinkoSolar's HOT 2.0 technology offer better reliability and efficiency.



### Durability Against Extreme Environment

High salt mist and ammonia resistance.



### Mechanical Load Enhanced

Certified to withstand:  
5400 Pa front side max static test load  
2400 Pa rear side max static test load



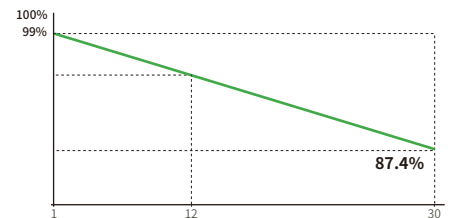
### SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



### Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.



<b>12 Year</b> Product Warranty	<b>30 Year</b> Linear Power Warranty	<b>1%</b> First-year Degradation	<b>0.4%</b> Annual Degradation Over 30 Years
------------------------------------	--	--	--

- IEC61215 (2016) / IEC61730 (2016)
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



**JKM570-590N-72HL4-(V)-F7-EN**

# 72HL4-(V) 570-590 Watt

## Mechanical Characteristics

Cell Type	N -type Mono-crystalline
No. of cells	144 (72×2)
Dimensions	2278×1134×30 mm
Weight	27.0 kg
Front Glass	3.2 mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Output Cables	4.0 mm <sup>2</sup> (+): 400 mm , (-): 200 mm or Customized Length

## Packaging Configuration

Pallet Dimensions	2308×1120×1249 mm
Packing Detail ( Two pallets = One stack )	36 pcs/pallets, 72 pcs/stack, 720 pcs/ 40'HQ Container

## Specifications (STC)

Maximum Power - Pmax [Wp]	570	575	580	585	590
Maximum Power Voltage - Vmp [V]	42.99	43.17	43.35	43.53	43.71
Maximum Power Current - Imp [A]	13.26	13.32	13.38	13.44	13.50
Open-circuit Voltage - Voc [V]	51.99	52.15	52.31	52.47	52.63
Short-circuit Current - Isc [A]	13.89	13.95	14.01	14.07	14.13
Module Efficiency STC [%]	22.07	22.26	22.45	22.65	22.84
Power Tolerance	0 ~ + 3 %				
Temperature Coefficients of Pmax	-0.29 %/°C				
Temperature Coefficients of Voc	-0.25 %/°C				
Temperature Coefficients of Isc	0.045 %/°C				

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5

## Specifications (NOCT)

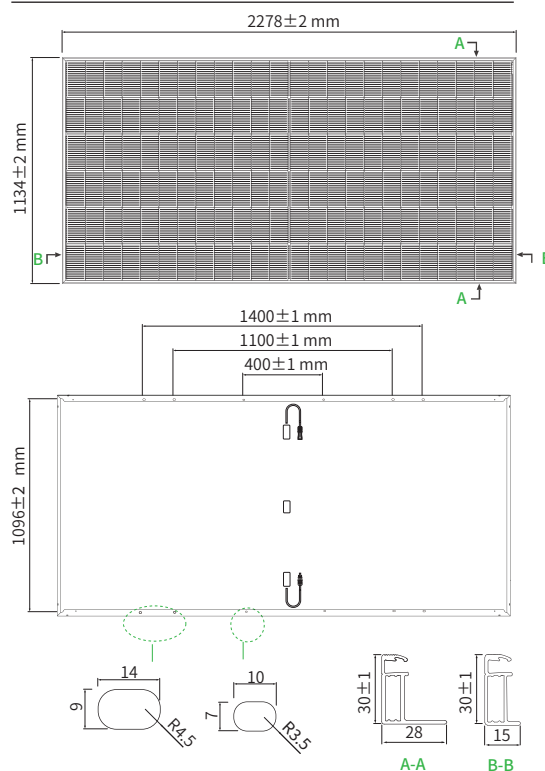
Maximum Power - Pmax [Wp]	430	433	437	441	445
Maximum Power Voltage - Vmp [V]	40.37	40.54	40.70	40.86	41.05
Maximum Power Current - Imp [A]	10.64	10.69	10.74	10.79	10.83
Open-circuit Voltage - Voc [V]	49.38	49.54	49.69	49.84	49.99
Short-circuit Current - Isc [A]	11.21	11.26	11.31	11.36	11.41

NOCT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

## Application Conditions

Operating Temperature	-40 °C ~ +85 °C
Maximum System Voltage	1000/1500 VDC (IEC)
Maximum Series Fuse Rating	25 A
Nominal Operating Cell Temperature - NOCT	45 ± 2 °C

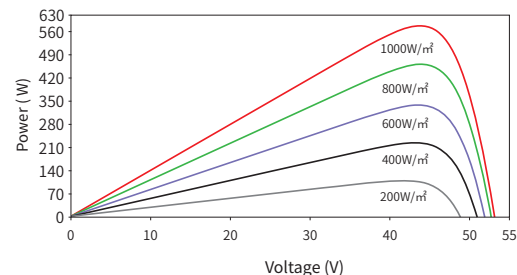
## Engineering Drawings



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

## Electrical Performance

Power-Voltage Curves (72HL4-(V) 580W)



Current-Voltage Curves (72HL4-(V) 580W)

