

# TIGER Neo

**78HL4-(V)**  
**615-635 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



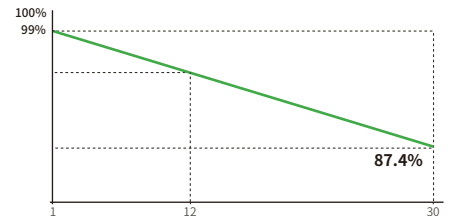
## SMBB Technology

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
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- 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



**JKM615-635N-78HL4-(V)-F6-EN**

# 78HL4-(V) 615-635 Watt

## Mechanical Characteristics

Cell Type	N -type Mono-crystalline
No. of cells	156 (78×2)
Dimensions	2465×1134×35 mm
Weight	29.5 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	2495×1120×1249 mm
Packing Detail (Two pallets = One stack)	31 pcs/pallets, 62 pcs/stack, 496 pcs/ 40'HQ Container

## Specifications (STC)

Maximum Power - Pmax [Wp]	615	620	625	630	635
Maximum Power Voltage - Vmp [V]	46.81	46.97	47.14	47.30	47.46
Maximum Power Current - Imp [A]	13.14	13.20	13.26	13.32	13.38
Open-circuit Voltage - Voc [V]	56.25	56.40	56.55	56.70	56.85
Short-circuit Current - Isc [A]	13.80	13.86	13.92	13.98	14.04
Module Efficiency STC [%]	22.00	22.18	22.36	22.54	22.72
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)

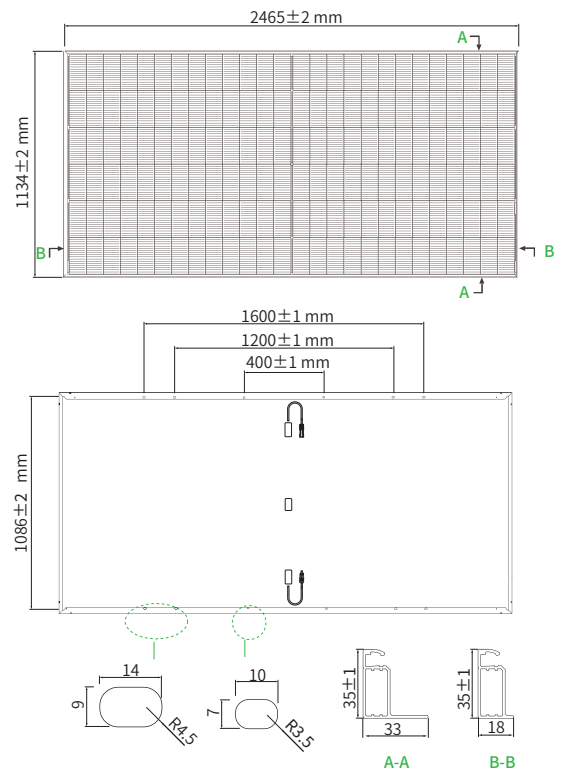
Maximum Power - Pmax [Wp]	463	467	471	475	479
Maximum Power Voltage - Vmp [V]	43.85	44.00	44.14	44.29	44.43
Maximum Power Current - Imp [A]	10.57	10.62	10.67	10.72	10.77
Open-circuit Voltage - Voc [V]	53.43	53.57	53.72	53.86	54.00
Short-circuit Current - Isc [A]	11.14	11.19	11.24	11.28	11.33

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

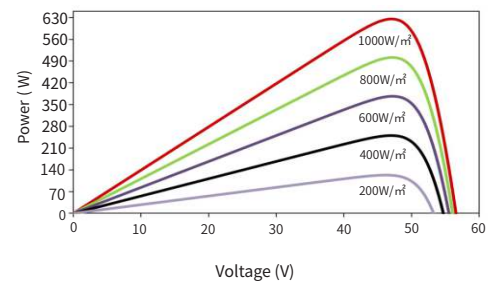
## Engineering Drawings



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

## Electrical Performance

Power-Voltage Curves (78HL4-(V) 625W)



Current-Voltage Curves (78HL4-(V) 625W)

