

Tiger Neo N-type 60HL4-(V) 485-490 Watt MONO-FACIAL MODULE

N-Type

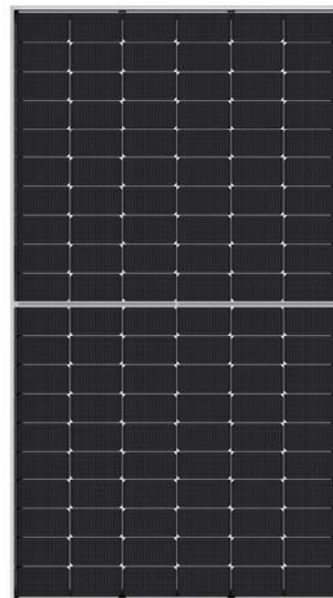
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems
(Made in China)



Key Features



SMBB Technology

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



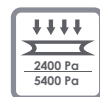
PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

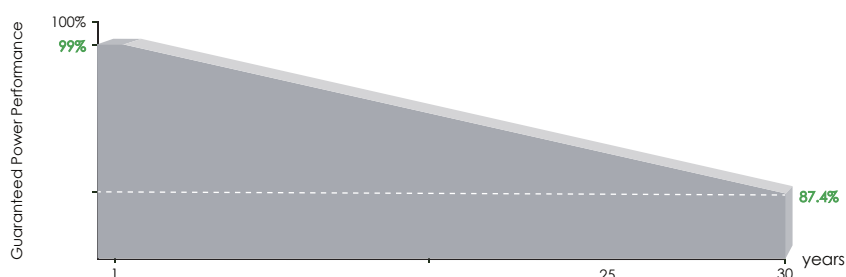


Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



LINEAR PERFORMANCE WARRANTY

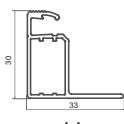
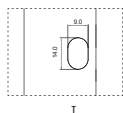
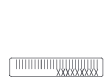
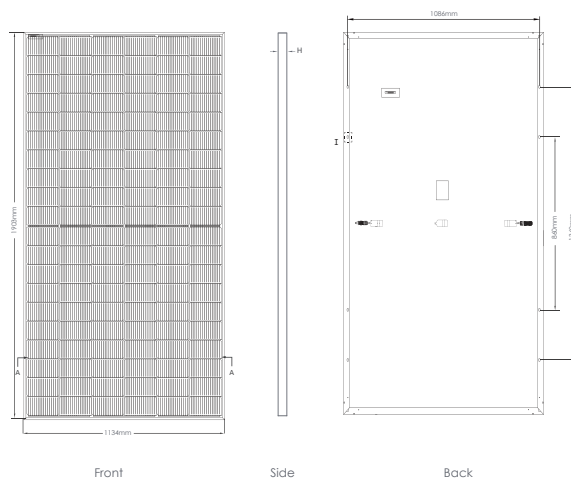


25 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings



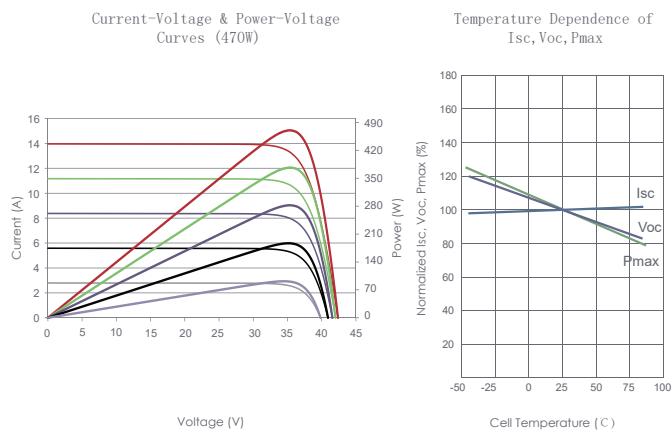
Length: $\pm 2\text{mm}$
Width: $\pm 2\text{mm}$
Height: $\pm 1\text{mm}$
Row Pitch: $\pm 2\text{mm}$

Packaging Configuration

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 864pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	120 (6×20)
Dimensions	1903×1134×30mm (74.92×44.65×1.18 inch)
Weight	24.2 kg (53.35 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm ² (+): 4 00mm (-): 200mm or Customized Length
Connector Type	1000V: Staubli MC4, JK03M/2B, JK03M2/2B, Jinko PV material 1500V: Staubli MC4-EVO2, JK03M/2B, JK03M2/2B, Jinko PV material
Fire Class	Class C

SPECIFICATIONS

Module Type	JKM485N-60HL4 JKM485N-60HL4-V		JKM490N-60HL4 JKM490N-60HL4-V	
	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	485Wp	365Wp	490Wp	369Wp
Maximum Power Voltage (Vmp)	36.25V	33.84V	36.43V	34.00V
Maximum Power Current (Imp)	13.38A	10.80A	13.45A	10.86A
Open-circuit Voltage (Voc)	43.76V	41.57V	43.91V	41.71V
Short-circuit Current (Isc)	13.93A	11.24A	14.01A	11.31A
Module Efficiency STC (%)	22.47%		22.71%	
Operating Temperature(°C)	-40°C~-+85°C			
Maximum system voltage			1000/1500VDC (IEC)	with -V=1500V, without -V=1000V
Maximum series fuse rating	25A			
Power sorting tolerance	-5W to +15W			
Power measurement tolerance	-3%~+3%			
Temperature coefficients of Pmax	-0.29%/°C			
Temperature coefficients of Voc	-0.25%/°C			
Temperature coefficients of Isc	0.045%/°C			
Nominal operating cell temperature (NOCT)	45±2°C			

*STC: Ir radiance 1000W/m²



Cell Temperature 25°C



AM=1.5

NOCT: Ir radiance 800W/m²



Ambient Temperature 20°C



AM=1.5



Wind Speed 1m/s