

Tiger Neo N-type 60HL4-(V) 460-480 Watt MONO-FACIAL MODULE

N-Type

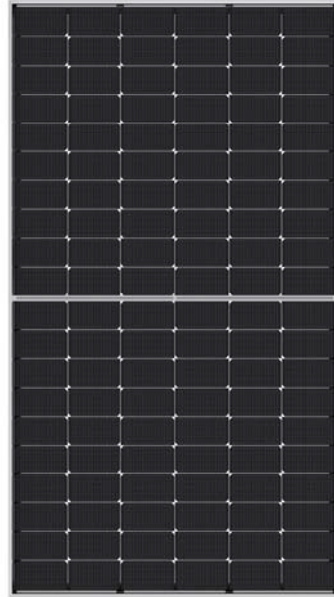
IEC61215(2016), IEC61730(2016)

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.

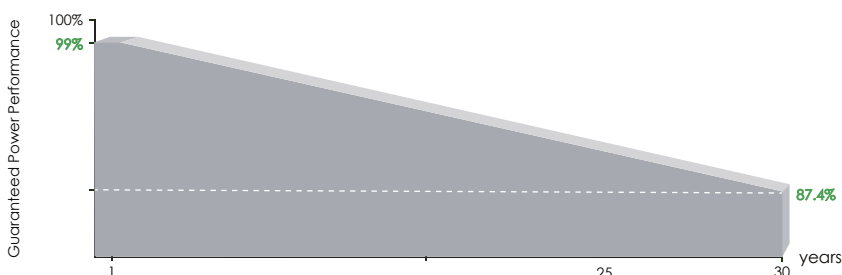


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

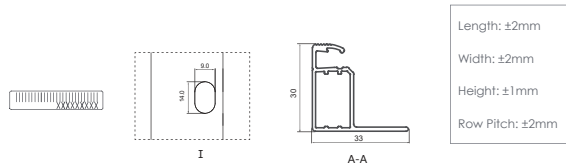
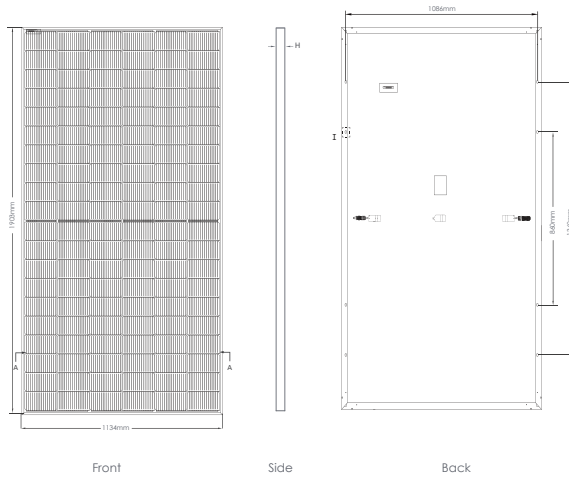


25 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings

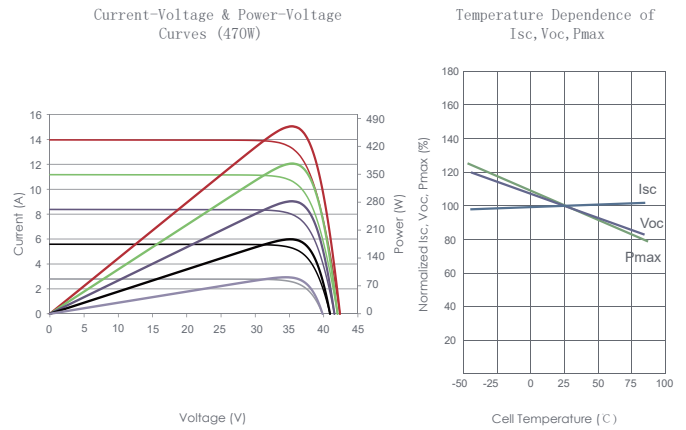


Packaging Configuration

(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	JKM460N-60HL4		JKM465N-60HL4		JKM470N-60HL4		JKM475N-60HL4		JKM480N-60HL4	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	460Wp	346Wp	465Wp	350Wp	470Wp	353Wp	475Wp	357Wp	480Wp	361Wp
Maximum Power Voltage (Vmp)	35.36V	32.95V	35.52V	33.11V	35.69V	33.21V	35.88V	33.40V	36.06V	33.61V
Maximum Power Current (Imp)	13.01A	10.50A	13.09A	10.57A	13.17A	10.63A	13.24A	10.69A	13.31A	10.74A
Open-circuit Voltage (Voc)	43.00V	40.85V	43.15V	40.99V	43.30V	41.14V	43.45V	41.28V	43.60V	41.42V
Short-circuit Current (Isc)	13.53A	10.92A	13.61A	10.99A	13.69A	11.05A	13.77A	11.12A	13.85A	11.18A
Module Efficiency STC (%)	21.32%		21.55%		21.78%		22.01%		22.24%	
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