

# Tiger Neo N-type

## 60HL4R-(V)

## 470-490 Watt

### MONO-FACIAL MODULE

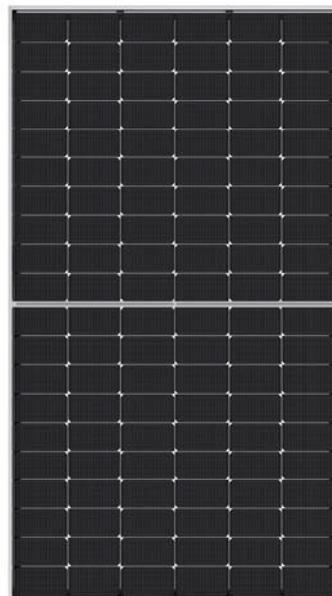
N-Type

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.



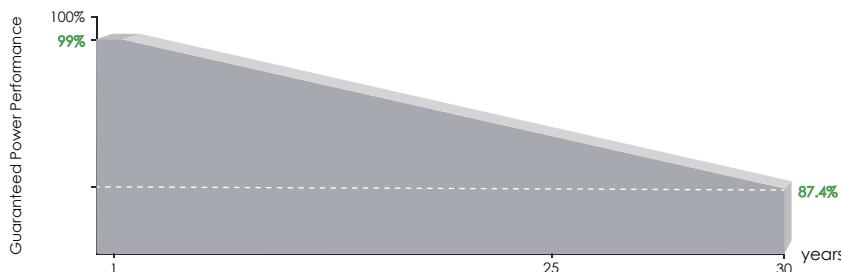
### Enhanced Mechanical Load

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



POSITIVE QUALITY™  
Continuous Quality Assurance

## LINEAR PERFORMANCE WARRANTY



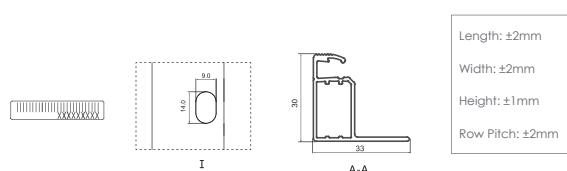
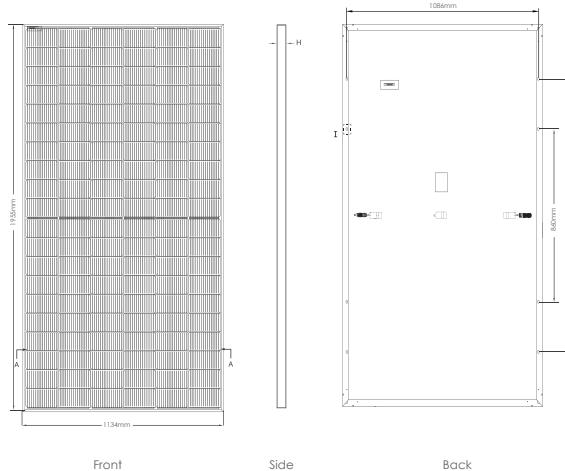
**25\*** Year Product Warranty

**30** Year Linear Power Warranty

**0.40%** Annual Degradation Over 30 years

\*The product warranty is only applicable in Australia

## Engineering Drawings



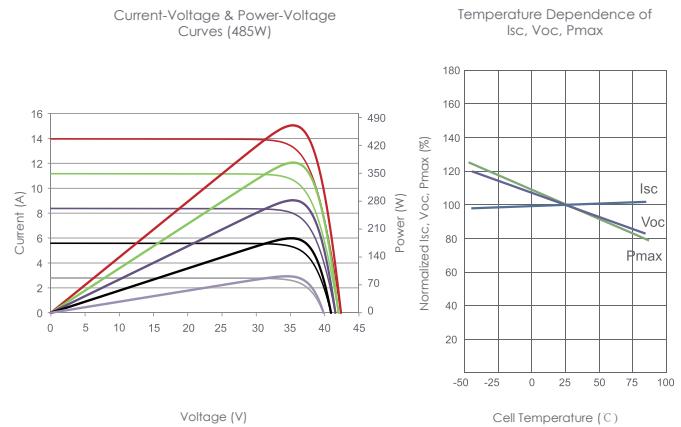
\*This tolerance range applies only to the four-angle distance of the module as indicated above.

## Packaging Configuration

( Two pallets = One stack )

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

## Electrical Performance & Temperature Dependence



## SPECIFICATIONS

Module Type	JKM470N-60HL4R		JKM475N-60HL4R		JKM480N-60HL4R		JKM485N-60HL4R		JKM490N-60HL4R									
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT								
Maximum Power (Pmax)	470Wp	353Wp	475Wp	357Wp	480Wp	361Wp	485Wp	365Wp	490Wp	368Wp								
Maximum Power Voltage (Vmpp)	35.69V	33.21V	35.88V	33.40V	36.06V	33.61V	36.25V	33.77V	36.43V	33.89V								
Maximum Power Current (Impp)	13.17A	10.63A	13.24A	10.69A	13.31A	10.74A	13.38A	10.81A	13.45A	10.86A								
Open-circuit Voltage (Voc)	43.3V	41.14V	43.45V	41.28V	43.60V	41.42V	43.76V	41.56V	43.91V	41.71V								
Short-circuit Current (Isc)	13.69A	11.12A	13.77A	11.12A	13.85A	11.18A	13.93A	11.25A	14.01A	11.31A								
Module Efficiency STC (%)	21.43%		21.43%		21.65%		21.88%		22.10%									
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 measurement tolerance	-3%~+3%																	
Temperature coefficients of Pmax	-0.30%/°C																	
Temperature coefficients of Voc	-0.25%/°C																	
Temperature coefficients of Isc	0.046%/°C																	
Nominal operating cell temperature (NOCT)	45±2°C																	

\*STC: ☀ Irradiance 1000W/m<sup>2</sup>

Cell Temperature 25°C

AM=1.5

NOCT: ☀ Irradiance 800W/m<sup>2</sup>

Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s