

Tiger Neo N-type 54HL4-(V) 410-430 Watt

MONO-FACIAL MODULE

N-Type

Positive power tolerance of 0~+3%

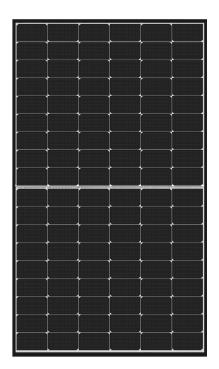
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



Key Features



SMBB Technology

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



Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



PID Resistance

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



Enhanced Mechanical Load

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



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance



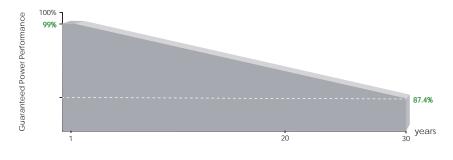








LINEAR PERFORMANCE WARRANTY



25 Year Product Warranty*

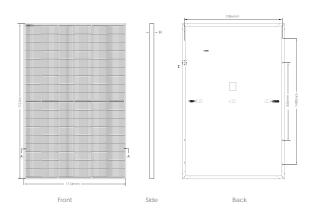
30 Year Linear Power Warranty

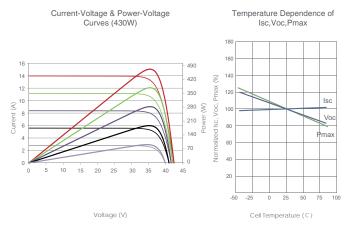
0.40% Annual Degradation Over 30 years

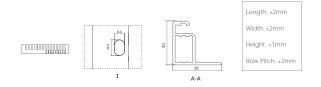
The product warranty is only applicable in Australia.

Engineering Drawings

Electrical Performance & Temperature Dependence







Packaging Configuration

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 936pcs/ 40'HQ Container

Mechanical Characteristics							
Cell Type	N type Mono-crystalline						
No. of cells	108 (6×18)						
Dimensions	1722×1134×30mm (67.79×44.65×1.18 inch)						
Weight	22 kg (48.50 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' (+): 400mm , (-): 200mm or Customized Length						

		_							
JKM410N-54HL4 JKM410N-54HL4-V		JKM415N-54HL4 JKM415N-54HL4-V		JKM420N-54HL4 JKM420N-54HL4-V		JKM425N-54HL4 JKM425N-54HL4-V		JKM430N-54HL4 JKM430N-54HL4-V	
STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
410Wp	308Wp	415Wp	312Wp	420Wp	316Wp	425Wp	320Wp	430Wp	323Wp
31.13V	29.06V	31.32V	29.21V	31.51V	29.34V	31.70V	29.50V	31.88V	29.63V
13.17A	10.61A	13.25A	10.68A	13.33A	10.76A	13.41A	10.83A	13.49A	10.91A
37.73V	35.84V	37.92V	36.02V	38.11V	36.20V	38.30V	36.38V	38.49V	36.56V
13.91A	11.23A	13.99A	11.29A	14.07A	11.36A	14.15A	11.42A	14.23A	11.49A
21.00%		21.25%		21.51%		21.76%		22.02%	
-40°C~+85°C									
1000/1500VDC (IEC)									
25A									
0~+3%									
-0.30%/℃									
-0.25%/℃									
0.046%/℃									
Nominal operating cell temperature (NOCT) 45±2°C									
	JKM410N STC 410Wp 31.13V 13.17A 37.73V 13.91A 21	STC NOCT 410Wp 308Wp 31.13V 29.06V 13.17A 10.61A 37.73V 35.84V 13.91A 11.23A 21.00%	JKM410N-54HL4-V JKM415I STC NOCT STC 410Wp 308Wp 415Wp 31.13V 29.06V 31.32V 13.17A 10.61A 13.25A 37.73V 35.84V 37.92V 13.91A 11.23A 13.99A 21.00% 21	JKM410N-54HL4-V JKM415N-54HL4-V STC NOCT STC NOCT 410Wp 308Wp 415Wp 312Wp 31.13V 29.06V 31.32V 29.21V 13.17A 10.61A 13.25A 10.68A 37.73V 35.84V 37.92V 36.02V 13.91A 11.23A 13.99A 11.29A 21.00% 21.25%	JKM410N-54HL4-V JKM415N-54HL4-V JKM420M STC NOCT STC NOCT STC 410Wp 308Wp 415Wp 312Wp 420Wp 31.13V 29.06V 31.32V 29.21V 31.51V 13.17A 10.61A 13.25A 10.68A 13.33A 37.73V 35.84V 37.92V 36.02V 38.11V 13.91A 11.23A 13.99A 11.29A 14.07A 21.00% 21.25% 21 -0°C~ -0°C~ -0°C~ 0°+ -0.30% -0.25% 0.046%	JKM410N-54HL4-V JKM415N-54HL4-V JKM420N-54HL4-V STC NOCT STC NOCT 410Wp 308Wp 415Wp 312Wp 420Wp 316Wp 31.13V 29.06V 31.32V 29.21V 31.51V 29.34V 13.17A 10.61A 13.25A 10.68A 13.33A 10.76A 37.73V 35.84V 37.92V 36.02V 38.11V 36.20V 13.91A 11.23A 13.99A 11.29A 14.07A 11.36A 21.00% 21.25% 21.51% -40°C~+85°C 1000/1500VDC (IEC) 25A 0~+3% -0.30%/°C -0.25%/°C 0.046%/°C	STC NOCT STC STC NOCT NOCT STC NOCT NOCT STC NOCT NOCT STC NOCT NOCT NOCT <th< td=""><td>JKM410N-54HL4-V JKM415N-54HL4-V JKM420N-54HL4-V JKM425N-54HL4-V STC NOCT STC NOCT STC NOCT 410Wp 308Wp 415Wp 312Wp 420Wp 316Wp 425Wp 320Wp 31.13V 29.06V 31.32V 29.21V 31.51V 29.34V 31.70V 29.50V 13.17A 10.61A 13.25A 10.68A 13.33A 10.76A 13.41A 10.83A 37.73V 35.84V 37.92V 36.02V 38.11V 36.20V 38.30V 36.38V 13.91A 11.23A 13.99A 11.29A 14.07A 11.36A 14.15A 11.42A 21.00% 21.25% 21.51% 21.76% -40°C~+85°C -0.430%/°C</td><td>JKM410N-54HL4-V JKM415N-54HL4-V JKM420N-54HL4-V JKM425N-54HL4-V JKM430N-54HL4-V STC NOCT STC NOCT STC NOCT STC 410Wp 308Wp 415Wp 312Wp 420Wp 316Wp 425Wp 320Wp 430Wp 31.13V 29.06V 31.32V 29.21V 31.51V 29.34V 31.70V 29.50V 31.88V 13.17A 10.61A 13.25A 10.68A 13.33A 10.76A 13.41A 10.83A 13.49A 37.73V 35.84V 37.92V 36.02V 38.11V 36.20V 38.30V 36.38V 38.49V 13.91A 11.23A 13.99A 11.29A 14.07A 11.36A 14.15A 11.42A 14.23A 21.00% 21.25% 21.51% 21.76% 22 25A 0~+3% -0.30%/°C -0.25%/°C -0.25%/°C -0.25%/°C</td></th<>	JKM410N-54HL4-V JKM415N-54HL4-V JKM420N-54HL4-V JKM425N-54HL4-V STC NOCT STC NOCT STC NOCT 410Wp 308Wp 415Wp 312Wp 420Wp 316Wp 425Wp 320Wp 31.13V 29.06V 31.32V 29.21V 31.51V 29.34V 31.70V 29.50V 13.17A 10.61A 13.25A 10.68A 13.33A 10.76A 13.41A 10.83A 37.73V 35.84V 37.92V 36.02V 38.11V 36.20V 38.30V 36.38V 13.91A 11.23A 13.99A 11.29A 14.07A 11.36A 14.15A 11.42A 21.00% 21.25% 21.51% 21.76% -40°C~+85°C -0.430%/°C	JKM410N-54HL4-V JKM415N-54HL4-V JKM420N-54HL4-V JKM425N-54HL4-V JKM430N-54HL4-V STC NOCT STC NOCT STC NOCT STC 410Wp 308Wp 415Wp 312Wp 420Wp 316Wp 425Wp 320Wp 430Wp 31.13V 29.06V 31.32V 29.21V 31.51V 29.34V 31.70V 29.50V 31.88V 13.17A 10.61A 13.25A 10.68A 13.33A 10.76A 13.41A 10.83A 13.49A 37.73V 35.84V 37.92V 36.02V 38.11V 36.20V 38.30V 36.38V 38.49V 13.91A 11.23A 13.99A 11.29A 14.07A 11.36A 14.15A 11.42A 14.23A 21.00% 21.25% 21.51% 21.76% 22 25A 0~+3% -0.30%/°C -0.25%/°C -0.25%/°C -0.25%/°C













