



Tiger Neo N-type 54HL4R-BDV 420-440 Watt

BIFACIAL MODULE WITH DUAL GLASS

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 (4000 Pascal) and snow load (6000 Pascal).



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



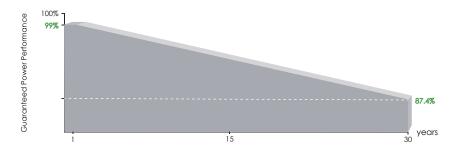








LINEAR PERFORMANCE WARRANTY



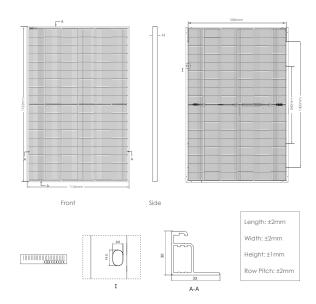
15 Year Product Warranty

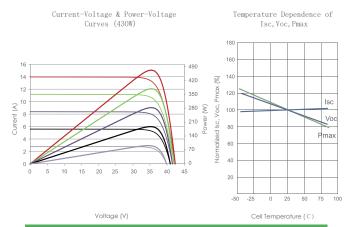
30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings

Electrical Performance & Temperature Dependence





Packaging Configuration

(Two pallets = One stack)

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

Mechanical Characteristics N type Mono-crystalline Cell Type 108 (2×54) No. of cells Dimensions 1762×1134×30mm (69.37×44.65×1.18 inch) 22.0 kg (48.50 lbs) Weight Front Glass 1.6mm, Anti-Reflection Coating Back Glass 1.6mm, Heat Strengthened Glass Frame Anodized Aluminium Alloy Junction Box IP68 Rated TUV 1×4.0mm² (+): 400mm , (-): 200mm or Customized Length Output Cables

SPECIFI	CATIONS											
Module Type		JKM420N-54HL4R-BDV		JKM425N-54HL4R-BDV		JKM430N-54HL4R-BDV		/ JKM435N-54HL4R-BDV		JKM440N-54HL4R-BD\		
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	
Maximum Power (Pmax)		420Wp	316Wp	425Wp	320Wp	430Wp	323Wp	435Wp	327Wp	440Wp	331Wp	
Maximum Power Voltage (Vmp)		31.68V	29.57V	31.86V	29.73V	32.04V	29.94V	32.23V	30.12V	32.40V	30.27V	
Maximum Power Current (Imp)		13.26A	10.68A	13.34A	10.75A	13.42A	10.80A	13.50A	10.86A	13.58A	10.93A	
Open-circuit Voltage (Voc)		38.18V	36.26V	38.38V	36.45V	38.58V	36.64V	38.79V	36.84V	38.98V	37.02V	
Short-circuit Current (Isc)		14.03A	11.33A	14.11A	11.39A	14.19A	11.46A	14.27A	11.52A	14.35A	11.59A	
Module Efficiency STC (%)		21.02%		21.27%		21.52%		21.77%		22.02%		
Operating	Temperature(°C)			-40°C~+85°C								
Maximum:	system voltage			1500VDC (IEC)								
Maximum series fuse rating			30A									
Power tolerance			0~+3%									
Temperature coefficient of Pmax				-0.29%/°C								
Temperature coefficient of Voc				-0.25%/°C								
Temperature coefficient of Isc				0.045%/°C								
Nominal operating cell temperature (NOCT)			45±2									
Bifacial Factor				80±5%								
BIFACIA	AL OUTPUT-REA	R SIDE P	OWER G	AIN								
	Maximum Power (Pma	ax)	441Wp		446Wp		452Wp	45	7Wp	462V	Vp	
5%	Module Efficiency STC	(%)	22.07%		22.33%		22.60%	22	.86%	23.12	2%	
	Maximum Power (Pmo	ax)	483Wp		489Wp		495Wp	50	qW0	506V	Vp	
15%	Module Efficiency STC	(%)	24.17%		24.46%		24.75%	25	.04%	25.32	2%	
0.507	Maximum Power (Pma	ax)	525Wp		531Wp		538Wp	54	4Wp	550V	۷р	
25%	Module Efficiency STC	(%)	26.27%		26.59%		26.90%	27	.21%	27.53	3%	



Module Efficiency STC (%)





26.90%



26.59%





26.27%

27.53%