www.jinkosolar.com



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

ALL-BLACK MODULE

N-Type

Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

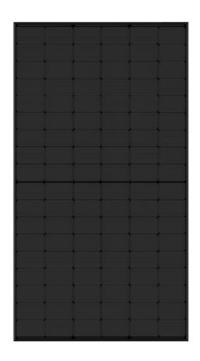
ISO45001:2018 Occupational health and safety management systems

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

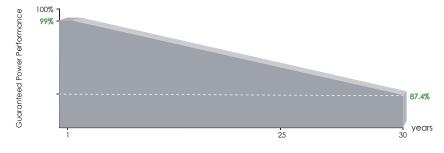
High salt mist and ammonia resistance.





POSITIVE QUALITY Continuous Quality Assurance

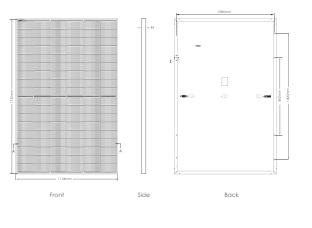
LINEAR PERFORMANCE WARRANTY



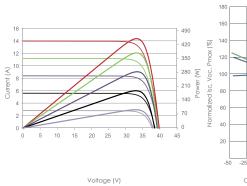
- 25 Year Product Warranty
- **30** Year Linear Power Warranty
- 0.40% Annual Degradation Over 30 years

Engineering Drawings

Electrical Performance & Temperature Dependence



Current-Voltage & Power-Voltage Curves (430W) Temperature Dependence of Isc, Voc, Pmax



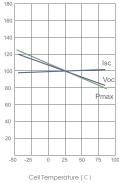


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Packaging Configuration

(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	1762×1134×30mm (69.36×44.65×1.18 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							

SPECIFICATIONS											
Module Type	JKM420N-54HL4R-B		JKM425N-54HL4R-B		JKM430N-54HL4R-B		JKM435N-54HL4R-B		JKM440N-54HL4R-B		
	STC	NOCT									
Maximum Power (Pmax)	420Wp	316Wp	425Wp	320Wp	430Wp	323Wp	435Wp	327Wp	440Wp	331Wp	
Maximum Power Voltage (Vmp)	32.16V	29.95V	32.37V	30.19V	32.58V	30.30∨	32.78V	30.50V	32.99V	30.73V	
Maximum Power Current (Imp)	13.06A	10.55A	13.13A	10.60A	13.20A	10.66A	13.27V	10.72A	13.34A	10.77A	
Open-circuit Voltage (Voc)	38.74V	36.80V	38.95V	37.00V	39.16V	37.20V	39.36V	37.39V	39.57V	37.59V	
Short-circuit Current (Isc)	13.51A	10.91A	13.58A	10.96A	13.65A	11.02A	13.72A	11.08A	13.80A	11.14A	
Module Efficiency STC (%)	21.02%		21.27%		21.52%		21.77%		22.02%		
Operating Temperature(°C)	-40°C~+85°C										
Maximum system voltage	1000VDC (IEC)										
Maximum series fuse rating	25A										
Power tolerance	0~+3%										
Temperature coefficients of Pmax	-0.30%/°C										
Temperature coefficients of Voc	-0.25%/°C										
Temperature coefficients of lsc	0.046%/°C										
Nominal operating cell temperatu	re (NOCT) 45±2°C										
****	0										

NOCT: Irradiance 800W/m²

*STC: 💥 Irradiance 1000W/m² 🛛 🕼 Cell Temperature 25°C

Ambient Temperature 20°C



Wind Speed 1m/s