

Import and distribution of top PV components



Tiger Neo N-type 54HL4R-B 425-445 Watt

ALL-BLACK MODULE

N-Type

Positive power tolerance of 0~+3%

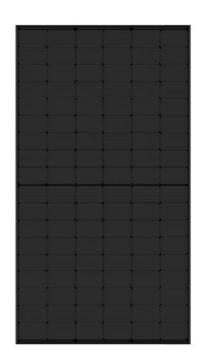
IEC61215(2016), IEC61730(2016)

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



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



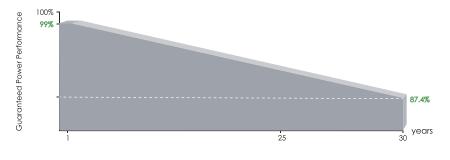








LINEAR PERFORMANCE WARRANTY



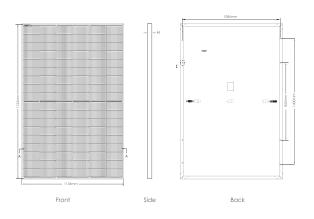
25 Year Product Warranty

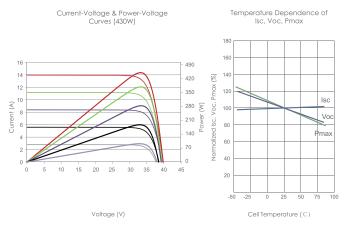
30 Year Linear Power Warranty

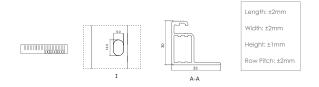
0.40% Annual Degradation Over 30 years

Engineering Drawings

Electrical Performance & Temperature Dependence







Packaging Configuration

(Two pallets = One stack)

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

Mechanica	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							

JKM425N-54HL4R-B		JKM430N-54HL4R-B		JKM435N-54HL4R-B		JKM440N-54HL4R-B		JKM445N-54HL4R-B	
STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
425Wp	320Wp	430Wp	323Wp	435Wp	327Wp	440Wp	331Wp	445Wp	335Wp
32.37V	30.19V	32.58V	30.30V	32.78V	30.50V	32.99V	30.73V	33.19V	30.93V
13.13A	10.60A	13.20A	10.66A	13.27V	10.72A	13.34A	10.77A	13.41A	10.83A
38.95V	37.00V	39.16V	37.20V	39.36V	37.39V	39.57V	37.59V	39.77V	37.78V
13.58A	10.96A	13.65A	11.02A	13.72A	11.08A	13.80A	11.14A	13.87A	11.20A
21.27%		21.52%		21.77%		22.02%		22.27%	
-40°C~+85°C									
1000VDC (IEC)									
25A									
0~+3%									
-0.29%/°C									
-0.25%/℃									
0.045%/℃									
Nominal operating cell temperature (NOCT)					45±2℃				
	STC 425Wp 32.37V 13.13A 38.95V 13.58A 21.2	STC NOCT 425Wp 320Wp 32.37V 30.19V 13.13A 10.60A 38.95V 37.00V 13.58A 10.96A 21.27%	STC NOCT STC 425Wp 320Wp 430Wp 32.37V 30.19V 32.58V 13.13A 10.60A 13.20A 38.95V 37.00V 39.16V 13.58A 10.96A 13.65A 21.27% 21.	STC NOCT STC NOCT 425Wp 320Wp 430Wp 323Wp 32.37V 30.19V 32.58V 30.30V 13.13A 10.60A 13.20A 10.66A 38.95V 37.00V 39.16V 37.20V 13.58A 10.96A 13.65A 11.02A 21.27% 21.52%	STC NOCT STC NOCT STC 425Wp 320Wp 430Wp 323Wp 435Wp 32.37V 30.19V 32.58V 30.30V 32.78V 13.13A 10.60A 13.20A 10.66A 13.27V 38.95V 37.00V 39.16V 37.20V 39.36V 13.58A 10.96A 13.65A 11.02A 13.72A 21.27% 21.52% 21.5 -40°C~ 1000VE 25 0~+ -0.29° -0.25° 0.045	STC NOCT STC NOCT STC NOCT 425Wp 320Wp 430Wp 323Wp 435Wp 327Wp 32.37V 30.19V 32.58V 30.30V 32.78V 30.50V 13.13A 10.60A 13.20A 10.66A 13.27V 10.72A 38.95V 37.00V 39.16V 37.20V 39.36V 37.39V 13.58A 10.96A 13.65A 11.02A 13.72A 11.08A 21.27% 21.52% 21.77% -40°C~+85°C 1000VDC (IEC) 25A 0~+3% -0.29%/°C -0.25%/°C 0.045%/°C 0.045%/°C	STC NOCT STC NOCT STC NOCT STC 425Wp 320Wp 430Wp 323Wp 435Wp 327Wp 440Wp 32.37V 30.19V 32.58V 30.30V 32.78V 30.50V 32.99V 13.13A 10.60A 13.20A 10.66A 13.27V 10.72A 13.34A 38.95V 37.00V 39.16V 37.20V 39.36V 37.39V 39.57V 13.58A 10.96A 13.65A 11.02A 13.72A 11.08A 13.80A 21.27% 21.52% 21.77% 22.0 25A -40°C~+85°C 1000VDC (IEC) 25A 0~+3% -0.25%/°C -0.25%/°C 0.045%/°C 0.045%/°C	STC NOCT 331Wp 440Wp 331Wp 331Wp 331Wp 331Wp 30.50V 32.99V 30.73V 30.73V 30.73V 31.34A 10.77A 38.95V 37.39V 39.57V 37.59V 37.50V 37.50V <	STC NOCT STO 30.73V 30.73V 30.73V 30.75V 37.59V 39.77V 39.77V 31.58A 10.96A 11.4A 13.87A 11.4A

















Energynat Trade Ltd is part of the Energynat Group, one of the fastest-growing European companies in the field of renewable energies. Annually, the Energynat Group supplies over 500 MW of components for the photovoltaic industry in Europe.

Energynat is a direct importer and authorized distributor of high quality photovoltaic components from such brands as SOFAR, Sungrow, JinkoSolar, Astronergy, Sunpower and SolarEdge. We specialize in wholesale distribution of panels and inverters. We fulfill megawatt orders on the spot, providing comprehensive logistics and warehousing services. And much more.

Our operational offices are based in Poland, Germany and United Kingdom.













More than just top quality brands and best prices



ADDITIONAL BENERFITS

Flexible warehousing

We know that flexibility is important in cooperation. All customers who belong to the Energynat Business Partner program have the option of using flexible warehousing, which allows them to postpone the immediate pick-up of their orders, and warehousing is FREE*.



ADDITIONAL BENERFITS

Logistics PLUS

Logistics PLUS is a service dedicated to participants of the Energynat Business Partner program, under which our regular customers receive comprehensive logistics support for their orders. All you need to do is indicate where and when the purchased goods are to be delivered.



ADDITIONAL BENERFITS

Fast transport & instant availability

When every day counts? It's always important in business! Thanks to our extensive network of warehouses in Europe and reliable shipping partners, our customers can count on express deliveries, even within 72 hours.



ADDITIONAL BENERFITS

Mix-it and Profit

It's cheaper when you mix it. It's as clear as day. With Energynat you can place an order for a mix of products in a 1-plus-1 formula, and we will give you a special price for your entire order. We also mix purchases of inverters and panels. When purchasing inverters in a package with panels, you will receive a special price for modules with a power corresponding to the purchased inverters.

BIG discounts on MEGAWATTS

Big DISCOUNTS on MEGAWATTS is a special offer from Energynat Trade aimed at our loyal customers: contractors, distributors, and electrical wholesalers looking for a reliable partner who can guarantee stability and timely deliveries as well as favorable terms of cooperation.

