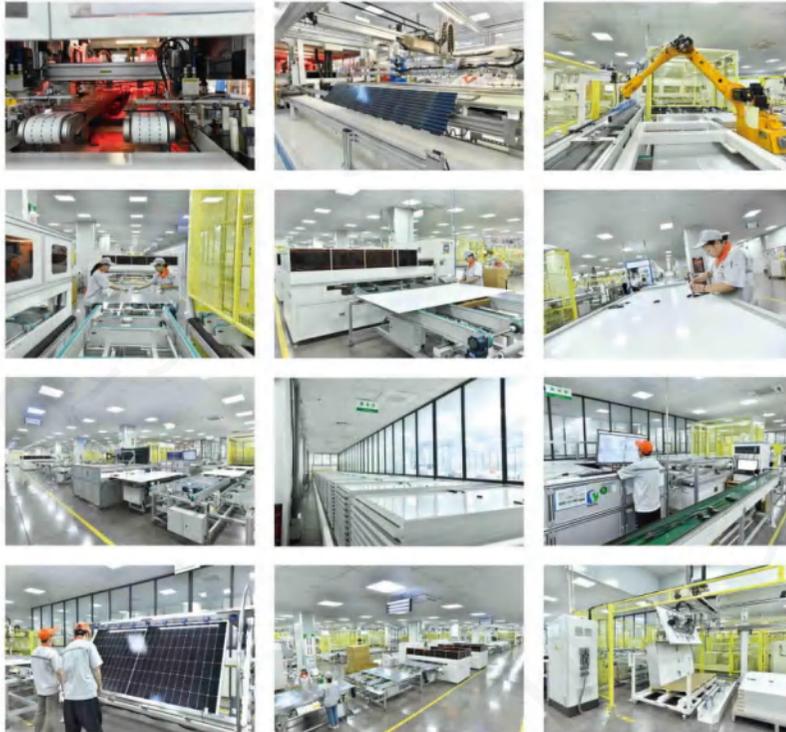


PRODUCTION EQUIPMENT

PRODUCTION EQUIPMENT

HIGH EFFICIENCY MODULAR AUTOMATIC PRODUCTION LINE

IN ORDER TO ACHIEVE FLEXIBLE MANUFACTURING PROCESSES AND MAINTAIN HIGH STANDARDS OF PRODUCT QUALITY, GEPU DIVIDES COMPONENT PRODUCTION INTO MULTIPLE RELATIVELY INDEPENDENT AND HIGHLY INTERCONNECTED MODULES. THROUGH THE SCIENTIFIC APPLICATION OF STATISTICAL ENGINEERING, EQUIPMENT IMPROVEMENT, AND A COMBINATION OF MULTIPLE MANAGEMENT SYSTEMS, LEAN PRODUCTION IS ACHIEVED, AND A FULLY AUTOMATED PRODUCTION LINE ENSURES PRODUCT QUALITY CONSISTENCY WHILE IMPROVING PRODUCTION EFFICIENCY, REDUCING PRODUCTION COSTS, AND INCREASING INVESTOR RETURNS.



15% REDUCED PRODUCTION COSTS	15% EQUIPMENT EFFICIENCY IMPROVEMENT	24*7 REAL TIME MONITORING SYSTEM	100+ PRODUCT AND PROCESS IMPROVEMENT	99.8% YIELD RATE	35% IMPROVED PRODUCTION EFFICIENCY
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QUALITY MANAGEMENT SYSTEM

QUALITY MANAGEMENT SYSTEM

IN ORDER TO ENHANCE CUSTOMER SATISFACTION WITH PRODUCT QUALITY, GEPU VIGOROUSLY IMPROVES PROCESS EQUIPMENT AND PROVIDES IRREGULAR PROFESSIONAL TRAINING TO EMPLOYEES. AFTER ON-SITE INSPECTION AND COMPREHENSIVE EVALUATION BY THE EXPERT TEAM OF DNV. GL, GEPU PHOTOVOLTAIC HAS SUCCESSFULLY PASSED THREE SYSTEM CERTIFICATIONS, INCLUDING ISO9001 QUALITY MANAGEMENT SYSTEM CERTIFICATION, ISO14001 ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATION, AND OHSAS18001 OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATION.



RAW MATERIAL CONTROL

A COMPREHENSIVE SUPPLIER SYSTEM
FULLY AUTOMATIC INCOMING MATERIAL
SCREENING, MANUAL SECONDARY
SAMPLING
A CONSTANT TEMPERATURE AND HUMIDITY
STORAGE ENVIRONMENT
SUPPLIER QUALITY SYSTEM MANAGEMENT



PRODUCTION CONTROL

300+ QUALITY MONITORING POINTS
100% TRIPLE EL TESTING
ONLINE QUALITY CONTROL, MINIMIZING
COMPONENT CRACKING
AAA LEVEL HALM TESTER



DELIVERY INSPECTION

OBM TESTING

QUALITY RELIABILITY EMBODIMENT

QUALITY RELIABILITY EMBODIMENT

GEPU STARTS FROM THE SOURCE OF PRODUCTION, STRICTLY CONTROLS EVERY LINK, AND DEMANDS ITSELF WITH PROFESSIONALISM AND RIGOR. EVERY COMPONENT DELIVERED TO CUSTOMERS CAN WITHSTAND RIGOROUS MONITORING AND HARSH ENVIRONMENTAL TESTING.

- 1 INCOMING TESTING**
 100% RAW MATERIAL INSPECTION
 80 INCOMING MATERIAL QUALITY TESTS (SINGLE PIECE TENSION, EL DETECTION EVA CROSS-LINKING DEGREE TEST, JUNCTION BOX CABLE RESISTANCE TEST, EDGE STRICT EL DETECTION 3 COMPONENTS PASSING SERIES INSPECTION, PRE LAMINATION AND FINAL EL DETECTION 3 FRAME STABILITY TESTING, ETC.)
- 2 STRICT EL TESTING**
 THREE COMPONENTS HAVE PASSED STRING INSPECTION, AND THREE EL TESTS HAVE BEEN CONDUCTED BEFORE AND AFTER LAMINATION
- 3 ADVANCED TESTING INSTRUMENT FOR THE ENTIRE PRODUCTION LINE**
 100% OF THE PRODUCTION LINE IS EQUIPPED WITH INDUSTRY-LEADING PERFORMANCE TESTERS
- 4 BALANCE APPEARANCE**
 100% VISUAL INSPECTION

66HL5-BDV 695-720 Watt

TIGER Neo

66HL5-BDV

695-720Watt

BIFACIAL MODULE WITH DUAL GLASS

N-type



N-type Technology

N-type modules with Tunnel Oxide Passivating Contacts (TOPcon) technology offer lower LID/LeTID degradation and better low light performance.



Dual-Sided Power Generation

Dual-sided power generation gain increases with backside exposure to light, significantly reducing LCOE.



SMBB Technology

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



HOT 3.0 Technology

N-type modules with JinkoSolar's HOT 3.0 technology offer better reliability and efficiency.



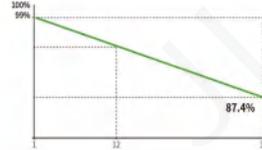
Mechanical Load Enhanced

Certified to withstand: 5400 Pa front side max static test load 2400 Pa rear side max static test load



Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.



12 Year Product Warranty, 30 Year Linear Power Warranty, 1% First Year Degradation, 0.40% Annual Degradation Over 30 Years

- IEC61215:2021 / IEC61730:2023
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



JKM695-720N-66HL5-BDV-F2C2-CN

Mechanical Characteristics

Cell Type	N-type Mono-crystalline
No. of cells	132 (66×2)
Dimensions	2384×1303×33 mm
Weight	37.5 kg
Front Glass	2.0 mm, Anti-reflection Coating
Back Glass	2.0 mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M/MC4/Others
Output Cables	4.0 mm ² (+): 400 mm, (-): 200 mm or Customized Length

Packaging Configuration

Pallet Dimensions	2444×1145×1415mm
Packing Detail	33 pcs/pallets, 72 pcs/stack, (Two pallets = One stack)
	594 pcs/ 40' HQ Container

Specifications (STC)

Maximum Power - Pmax [Wp]	695	700	705	710	715	720
Maximum Power Voltage - Vmp [V]	40.29	40.42	40.53	40.65	40.77	40.89
Maximum Power Current - Imp [A]	17.25	17.32	17.40	17.47	17.54	17.61
Open-circuit Voltage - Voc [V]	48.24	48.40	48.56	48.73	48.88	49.04
Short-circuit Current - Isc [A]	18.33	18.40	18.46	18.53	18.60	18.67
Module Efficiency STC [%]	22.4	22.5	22.7	22.9	23.0	23.2
Power Tolerance	0 ~ +3 %					
Temperature Coefficients of Pmax	-0.29 %/°C					
Temperature Coefficients of Voc	-0.25 %/°C					
Temperature Coefficients of Isc	0.045 %/°C					

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Specifications (BNPI)

Maximum Power - Pmax [Wp]	524	528	531	535	539	543
Maximum Power Voltage - Vmp [V]	37.54	37.68	37.84	37.97	38.08	38.21
Maximum Power Current - Imp [A]	13.95	14.00	14.04	14.09	14.15	14.20
Open-circuit Voltage - Voc [V]	45.82	45.97	46.13	46.29	46.43	46.58
Short-circuit Current - Isc [A]	14.80	14.85	14.90	14.96	15.01	15.07

BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25°C, AM=1.5

Application Conditions

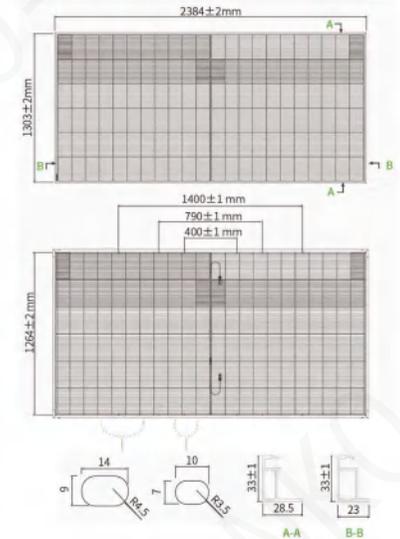
Operating Temperature	-40 °C ~ +85 °C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	35 A
Bifaciality Coefficient	φVoc: 98±5 %, φIsc: 80±5 %, φPmax: 80±5 %



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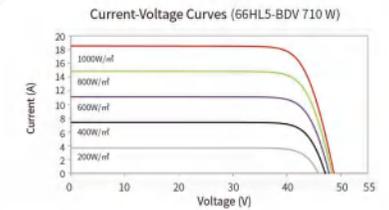
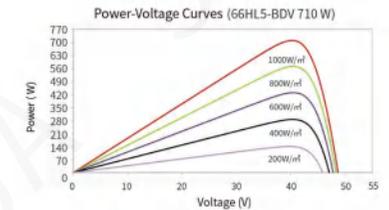
Note: Please read the safety and installation manual before using the product. We reserve the right of final interpretation. The specifications in this datasheet are subject to change without notice.

Engineering Drawings



*Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance & Temperature Dependence



JKM695-720N-66HL5-BDV-F2C2-CN
www.jinkosolar.com

78HL4-BDV 625-650 Watt

TIGER Neo

78HL4-BDV

625-650 Watt

BIFACIAL MODULE WITH DUAL GLASS

N-type



N-type Technology

N-type modules with Tunnel Oxide Passivating Contacts (TOPcon) technology offer lower LID/LeTID degradation and better low light performance.



Dual-Sided Power Generation

Dual-sided power generation gain increases with backside exposure to light, significantly reducing LCOE.



SMBB Technology

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



HOT 3.0 Technology

N-type modules with JinkoSolar's HOT 3.0 technology offer better reliability and efficiency.



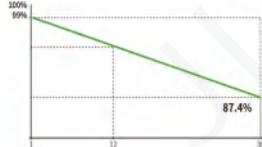
Mechanical Load Enhanced

Certified to withstand: 5400 Pa front side max static test load 2400 Pa rear side max static test load



Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.



12 Year Product Warranty **30** Year Linear Power Warranty **1** % First-year Degradation **0.40** % Annual Degradation Over 30 Years

- IEC61215:2021 / IEC61730:2023
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



JKM625-650N-78HL4-BDV-F9-EN

Mechanical Characteristics

Cell Type	N-type Mono-crystalline
No. of cells	156 (78×2)
Dimensions	2465 × 1134 × 30 mm
Weight	34.0 kg
Front Glass	2.0 mm, Anti-reflection Coating
Back Glass	2.0 mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M/MC4/Others
Output Cables	4.0 mm ² (+): 400 mm, (-): 200 mm or Customized Length

Packaging Configuration

Pallet Dimensions	2525 × 1140 × 1251 mm
Packing Detail	36 pcs/pallets, 72 pcs/stack, (Two pallets = One stack)
	576 pcs/ 40' HQ Container

Specifications (STC)

Maximum Power - Pmax [Wp]	625	630	635	640	645	650
Maximum Power Voltage - Vmp [V]	47.54	47.70	47.86	48.02	48.17	48.33
Maximum Power Current - Imp [A]	13.15	13.21	13.27	13.33	13.39	13.45
Open-circuit Voltage - Voc [V]	56.95	57.08	57.21	57.34	57.47	57.60
Short-circuit Current - Isc [A]	13.80	13.86	13.92	13.98	14.04	14.10
Module Efficiency STC [%]	22.36	22.54	22.72	22.90	23.07	23.25
Power Tolerance	0 ~ + 3 %					
Temperature Coefficients of Pmax	-0.29 %/°C					
Temperature Coefficients of Voc	-0.25 %/°C					
Temperature Coefficients of Isc	0.045 %/°C					

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Specifications (BNPI)

Maximum Power - Pmax [Wp]	688	693	699	704	710	716
Maximum Power Voltage - Vmp [V]	47.57	47.73	47.91	48.06	48.23	48.40
Maximum Power Current - Imp [A]	14.46	14.52	14.59	14.65	14.72	14.79
Open-circuit Voltage - Voc [V]	57.00	57.14	57.28	57.42	57.56	57.70
Short-circuit Current - Isc [A]	15.19	15.27	15.35	15.43	15.51	15.59

BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25°C, AM=1.5

Application Conditions

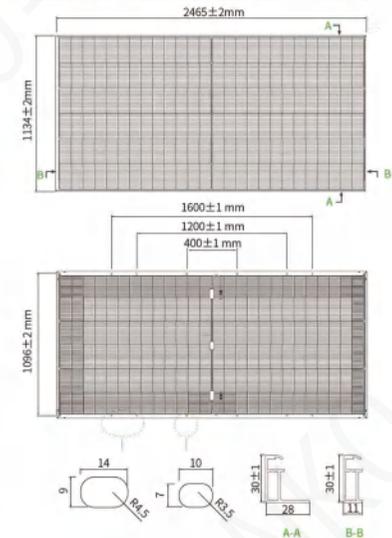
Operating Temperature	-40 °C ~ +70 °C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	30 A
Bifaciality Coefficient	φVoc: 98 ± 5 %, φIsc: 80 ± 5 %, φPmax: 80 ± 5 %



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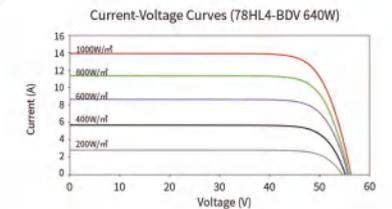
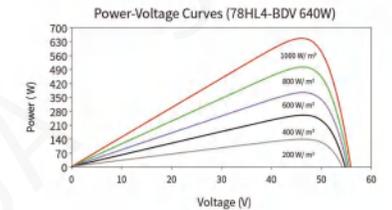
Note: Please read the safety and installation manual before using the product. We reserve the right of final interpretation. The specifications in this datasheet are subject to change without notice.

Engineering Drawings



Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance & Temperature Dependence



JKM625-650N-78HL4-BDV-F9-EN
www.jinkosolar.com

66HL4M-(V) 610-635 Watt

TIGER Neo

66HL4M-(V)

610-635 Watt
MONO-FACIAL MODULE

N-type



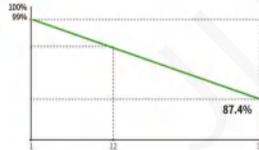
N-type Technology

N-type modules with Tunnel Oxide Passivating Contacts (TOPcon) technology offer lower LID/LeTID degradation and better low light performance.



HOT 3.0 Technology

N-type modules with JinkoSolar's HOT 3.0 technology offer better reliability and efficiency.



Durability Against Extreme Environment

High salt mist and ammonia resistance.



Mechanical Load Enhanced

Certified to withstand:
5400 Pa front side max static test load
2400 Pa rear side max static test load



SMBB Technology

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



Anti-PID guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.

12 Year Product Warranty
30 Year Linear Power Warranty
1 % Annual Degradation
0.40 % Annual Degradation Over 30 Years

- IEC61215:2021 / IEC61730:2023
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



JKM610-635N-66HL4M-(V)-F2-EN

Mechanical Characteristics

Cell Type	N-type Mono-crystalline
No. of cells	132 (66×2)
Dimensions	2382×1134×35 mm
Weight	28.2 kg
Front Glass	3.2mm, Anti-reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M/MC4/Others
Output Cables	4.0 mm ² (+): 400 mm , (-): 200 mm or Customized Length

Packaging Configuration

Pallet Dimensions	2396×1110×1251 mm
Packing detail (Two pallets=One stack)	31 pcs/pallets, 62 pcs/stack, 620 pcs/40'HQ Container

Specifications (STC)

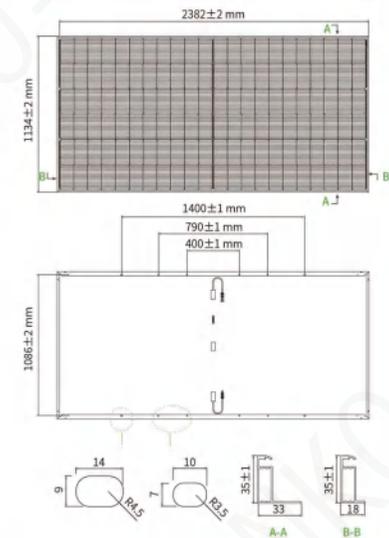
Maximum Power – Pmax [Wp]	610	615	620	625	630	635
Maximum Power Voltage – Vmp [V]	40.56	40.73	40.90	41.07	41.23	41.39
Maximum Power Current – Imp [A]	15.04	15.10	15.16	15.22	15.28	15.34
Open-circuit Voltage – Voc [V]	48.63	48.79	48.95	49.11	49.27	49.43
Short-circuit Current – Isc [A]	16.01	16.08	16.15	16.22	16.29	16.36
Module Efficiency STC [%]	22.58	22.77	22.95	23.14	23.32	23.51
Power Tolerance	0 ~ + 3 %					
Temperature Coefficients of Pmax	-0.29 %/°C					
Temperature Coefficients of Voc	-0.25 %/°C					
Temperature Coefficients of Isc	0.045 %/°C					

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Application Conditions

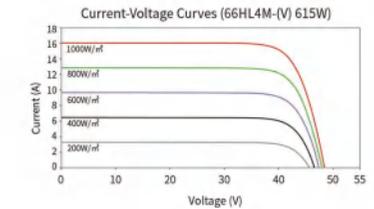
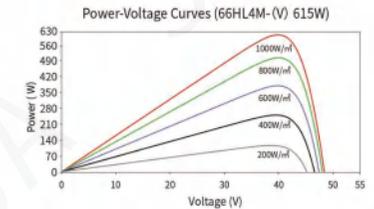
Operating Temperature	-40 °C ~ +70°C
Maximum System Voltage	1000/1500 VDC (IEC)
Maximum Series Fuse Rating	30 A

Engineering Drawings



*Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance



www.jinkosolar.com



Tiger Neo N-type 78HL4-(V) 610-630 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.



PID Resistance

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



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



Hot 2.0 Technology

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

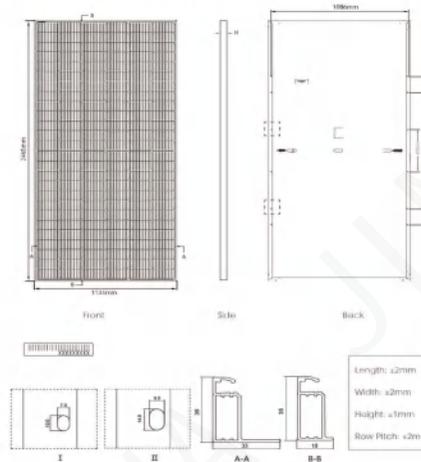


Enhanced Mechanical Load

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



Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	156 (2x78)
Dimensions	2465x1134x35mm (97.05x44.65x1.38 inch)
Weight	30.6 kg (67.46 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

Packaging Configuration

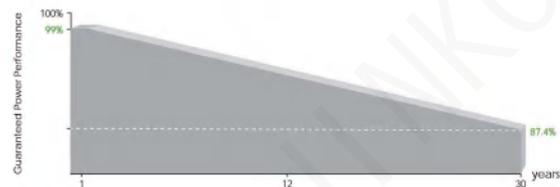
(Two pallets = One stack)

31pcs/pallets, 62pcs/stack, 496pcs/ 40'HQ Container

SPECIFICATIONS

Module Type	JKM610N-78HL4		JKM615N-78HL4		JKM620N-78HL4		JKM625N-78HL4		JKM630N-78HL4	
	JKM610N-78HL4-V	JKM615N-78HL4-V	JKM615N-78HL4	JKM615N-78HL4-V	JKM620N-78HL4-V	JKM620N-78HL4-V	JKM625N-78HL4-V	JKM625N-78HL4-V	JKM630N-78HL4	JKM630N-78HL4-V
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	610Wp	459Wp	615Wp	462Wp	620Wp	466Wp	625Wp	470Wp	630Wp	474Wp
Maximum Power Voltage (Vmp)	45.59V	42.28V	45.69V	42.39V	45.79V	42.50V	45.92V	42.61V	46.02V	42.72V
Maximum Power Current (Imp)	13.38A	10.85A	13.46A	10.91A	13.54A	10.97A	13.61A	11.03A	13.69A	11.09A
Open-circuit Voltage (Voc)	55.25V	52.48V	55.40V	52.62V	55.55V	52.77V	55.70V	52.91V	55.85V	53.05V
Short-circuit Current (Isc)	14.11A	11.39A	14.18A	11.45A	14.25A	11.50A	14.32A	11.56A	14.39A	11.62A
Module Efficiency STC (%)	21.82%		22.00%		22.18%		22.36%		22.54%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000/1500VDC (IEC)									
Maximum series fuse rating	30A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.29%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.045%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

LINEAR PERFORMANCE WARRANTY



12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

*STC: Irradiance 1000W/m² Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

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JKM610-630N-78HL4-(V)-F3-EN

TIGER Neo

66HL4M-BDV

605-630 Watt

BIFACIAL MODULE WITH DUAL GLASS

N-type



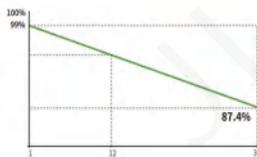
N-Type Technology

N-Type modules with Tunnel Oxide Passivating Contacts (TOPCon) technology offer lower LID/LeTID degradation and better low light performance.



HOT 3.0 Technology

N-type modules with JinkoSolar's HOT 3.0 technology offer better reliability and efficiency.



12 Year Product Warranty | 30 Year Linear Power Warranty | 1% First-year Degradation | 0.40% Annual Degradation Over 30 Years

- IEC61215:2021 / IEC61730:2023
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



JKM605-630N-66HL4M-BDV-F4-EN



Dual-Sided Power Generation

Dual-sided power generation gain increases with backside exposure to light, significantly reducing LCOE.



Mechanical Load Enhanced

Certified to withstand: 5400 Pa front side max static test load 2400 Pa rear side max static test load



SMBB Technology

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



Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.

66HL4M-BDV 605-630 Watt

Mechanical Characteristics

Cell Type	N-type Mono-crystalline
No. of cells	132 (66x2)
Dimensions	2382×1134×30 mm
Weight	32.4 kg
Front Glass	2.0 mm, Anti-reflection Coating
Back Glass	2.0 mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M/MC4/Others*
Output Cables	4.0 mm ² (+): 400 mm, (-): 200 mm or Customized Length

* MC4 and MC4-EVO2 available upon request and subject to availability

Packaging Configuration

Pallet Dimensions	2396×1110×1251 mm
Packing Detail	36 pcs/pallets, 72 pcs/stack, (Two pallets = One stack)
	720 pcs/ 40'HQ Container

Specifications (STC)

Maximum Power - Pmax [Wp]	605	610	615	620	625	630
Maximum Power Voltage - Vmp [V]	40.31	40.46	40.60	40.74	40.88	41.02
Maximum Power Current - Imp [A]	15.01	15.08	15.15	15.22	15.29	15.36
Open-circuit Voltage - Voc [V]	48.48	48.68	48.88	49.08	49.28	49.48
Short-circuit Current - Isc [A]	15.90	15.96	16.02	16.08	16.14	16.20
Module Efficiency STC [%]	22.40	22.58	22.77	22.95	23.14	23.32
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					

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Specifications (BNPI)

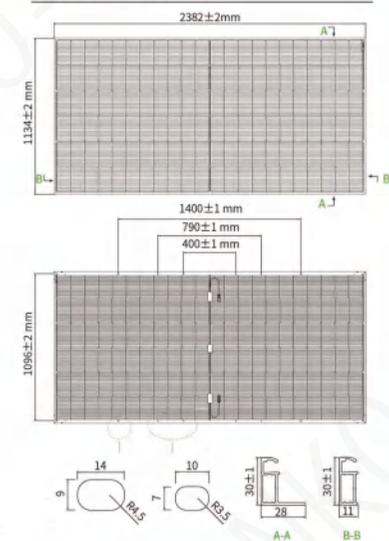
Maximum Power - Pmax [Wp]	668	674	679	685	690	696
Maximum Power Voltage - Vmp [V]	40.29	40.46	40.59	40.75	40.88	41.04
Maximum Power Current - Imp [A]	16.58	16.66	16.73	16.81	16.88	16.95
Open-circuit Voltage - Voc [V]	48.46	48.66	48.86	49.06	49.26	49.46
Short-circuit Current - Isc [A]	17.56	17.64	17.70	17.77	17.83	17.90

BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25°C, AM=1.5

Application Conditions

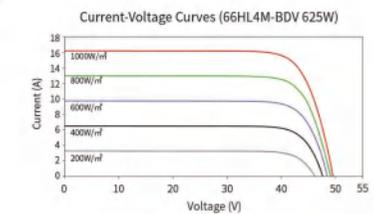
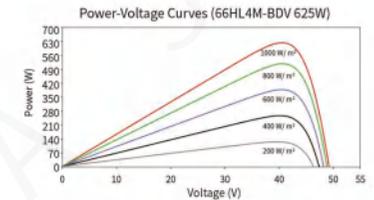
Operating Temperature	-40 °C ~ +70 °C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	35 A
Bifaciality Coefficients	φVoc: 98±5 %, φIsc: 80±5 %, φPmax: 80±5 %

Engineering Drawings



Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance



Tiger Neo N-type 78HL4-BDV 605-625 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.



PID Resistance

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



Higher Power Output

Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.



Hot 2.0 Technology

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

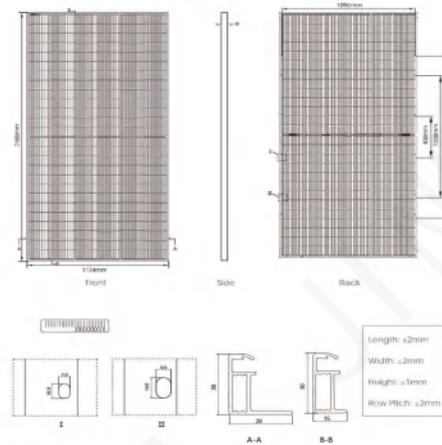


Enhanced Mechanical Load

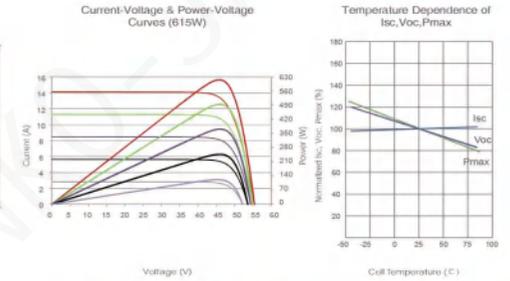
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	156 (2×78)
Dimensions	2465×1134×30mm (97.05×44.65×1.18 inch)
Weight	34.6kg (76.38 lbs)
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm ² (+): 400mm, (-): 200mm or Customized Length

Packaging Configuration

(Two pallets = One stack)
36pcs/pallets, 72pcs/stack, 576pcs/ 40'HQ Container

SPECIFICATIONS

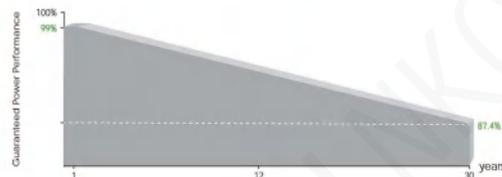
Module type	JKM605N-78HL4-BDV		JKM610N-78HL4-BDV		JKM615N-78HL4-BDV		JKM620N-78HL4-BDV		JKM625N-78HL4-BDV	
	STC	NOCT								
Maximum Power (Pmax)	605Wp	455Wp	610Wp	459Wp	615Wp	462Wp	620Wp	466Wp	625Wp	470Wp
Maximum Power Voltage (Vmp)	45.42V	42.23V	45.60V	42.35V	45.77V	42.46V	45.93V	42.57V	46.10V	42.68V
Maximum Power Current (Imp)	13.32A	10.77A	13.38A	10.83A	13.44A	10.89A	13.50A	10.95A	13.56A	11.01A
Open-circuit Voltage (Voc)	55.17V	52.41V	55.31V	52.54V	55.44V	52.66V	55.58V	52.79V	55.72V	52.93V
Short-circuit Current (Isc)	13.95A	11.26A	14.03A	11.33A	14.11A	11.39A	14.19A	11.46A	14.27A	11.52A
Module Efficiency STC (%)	21.64%		21.82%		22.00%		22.18%		22.36%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	30A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.29%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.045%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									
Refer. Bifacial Factor	80±5%									

BIFACIAL OUTPUT-REARSIDE POWER GAIN

		635Wp	641Wp	646Wp	651Wp	656Wp
5%	Maximum Power (Pmax)					
	Module Efficiency STC (%)	22.73%	22.91%	23.10%	23.29%	23.48%
15%	Maximum Power (Pmax)	696Wp	702Wp	707Wp	713Wp	719Wp
	Module Efficiency STC (%)	24.89%	25.10%	25.30%	25.51%	25.71%
25%	Maximum Power (Pmax)	756Wp	763Wp	769Wp	775Wp	781Wp
	Module Efficiency STC (%)	27.05%	27.28%	27.50%	27.73%	27.95%

*STC: ☀ Irradiance 1000W/m² 🌡 Cell Temperature 25°C ☁ AM=1.5
NOCT: ☀ Irradiance 800W/m² 🌡 Ambient Temperature 20°C ☁ AM=1.5 🌬 Wind Speed 1m/s

LINEAR PERFORMANCE WARRANTY



12 Year Product Warranty
30 Year Linear Power Warranty
0.40% Annual Degradation Over 30 years

Tiger Neo N-type 78HL4-(V) 610-630 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.



PID Resistance

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



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



Hot 2.0 Technology

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

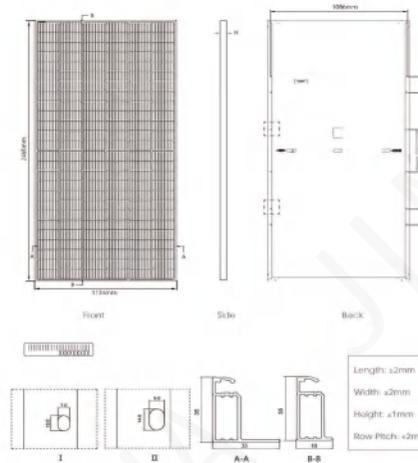


Enhanced Mechanical Load

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



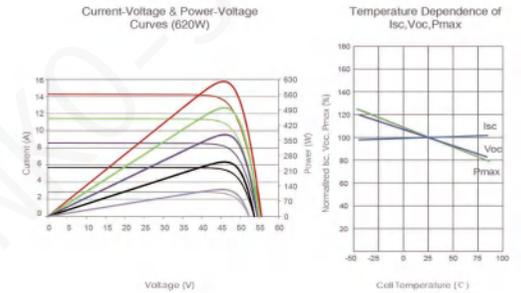
Engineering Drawings



Packaging Configuration

{ Two pallets = One stack }
31pcs/pallets, 62pcs/stack, 496pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



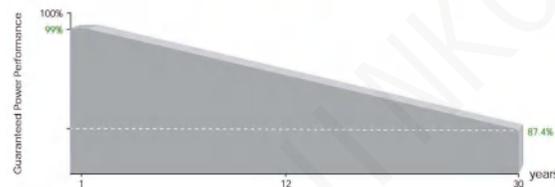
Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	156 (2x78)
Dimensions	2465x1134x35mm (97.05x44.65x1.38 inch)
Weight	30.6 kg (67.46 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 1x4.0mm (+): 400mm, (-): 200mm or Customized Length

SPECIFICATIONS

Module type	JKM610N-78HL4		JKM615N-78HL4		JKM620N-78HL4		JKM625N-78HL4		JKM630N-78HL4	
	JKM610N-78HL4-V	JKM615N-78HL4-V	JKM615N-78HL4-V	JKM615N-78HL4-V	JKM620N-78HL4-V	JKM625N-78HL4-V	JKM625N-78HL4-V	JKM625N-78HL4-V	JKM630N-78HL4-V	JKM630N-78HL4-V
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	610Wp	459Wp	615Wp	462Wp	620Wp	466Wp	625Wp	470Wp	630Wp	474Wp
Maximum Power Voltage (Vmp)	45.59V	42.28V	45.69V	42.39V	45.79V	42.50V	45.92V	42.61V	46.02V	42.72V
Maximum Power Current (Imp)	13.38A	10.85A	13.46A	10.91A	13.54A	10.97A	13.61A	11.03A	13.69A	11.09A
Open-circuit Voltage (Voc)	55.25V	52.48V	55.40V	52.62V	55.55V	52.77V	55.70V	52.91V	55.85V	53.05V
Short-circuit Current (Isc)	14.11A	11.39A	14.18A	11.45A	14.25A	11.50A	14.32A	11.56A	14.39A	11.62A
Module Efficiency STC (%)	21.82%		22.00%		22.18%		22.36%		22.54%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000V/1500VDC (IEC)									
Maximum series fuse rating	30A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.29%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.045%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

LINEAR PERFORMANCE WARRANTY



12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

*STC: ☀ Irradiance 1000W/m² 📏 Cell Temperature 25°C ☁ AM=1.5
NOCT: ☀ Irradiance 800W/m² 📏 Ambient Temperature 20°C ☁ AM=1.5 🌬 Wind Speed 1m/s

72HL4-(V) 580-605 Watt

TIGER Neo

72HL4-(V)

580-605 Watt
MONO-FACIAL MODULE

N-type



N-type Technology

N-type modules with Tunnel Oxide Passivating Contacts (TOPcon) technology offer lower LID/LeTID degradation and better low light performance.



HOT 3.0 Technology

N-type modules with JinkoSolar's HOT 3.0 technology offer better reliability and efficiency.



Durability Against Extreme Environment

High salt mist and ammonia resistance.



Mechanical Load Enhanced

Certified to withstand:
5400 Pa front side max static test load
2400 Pa rear side max static test load



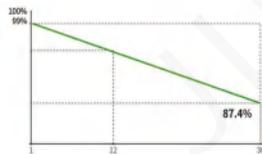
SMBB Technology

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



Anti-PID guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.



12 Year Product Warranty
30 Year Linear Power Warranty
1 % First-year Degradation
0.40 % Annual Degradation Over 30 Years

- IEC61215:2021 / IEC61730:2023
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



JKM580-605N-72HL4-(V)-F9-EN

Mechanical Characteristics

Cell Type	N-type Mono-crystalline
No. of cells	144 (72×2)
Dimensions	2278×1134×30 mm
Weight	27.0 kg
Front Glass	3.2mm, Anti-reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M/MC4/Others
Output Cables	4.0 mm ² (+): 400 mm, (-): 200 mm or Customized Length

Packaging Configuration

Pallet Dimensions	2308×1140×1249 mm
Packing detail (Two pallets=One stack)	37 pcs/pallets, 74 pcs/stack, 740 pcs/ 40'HQ Container

Specifications (STC)

Maximum Power – Pmax [Wp]	580	585	590	595	600	605
Maximum Power Voltage – Vmp [V]	43.35	43.53	43.71	43.88	44.06	44.23
Maximum Power Current – Imp [A]	13.38	13.44	13.50	13.56	13.62	13.68
Open-circuit Voltage – Voc [V]	52.31	52.47	52.63	52.79	52.95	53.11
Short-circuit Current – Isc [A]	14.01	14.07	14.13	14.19	14.25	14.31
Module Efficiency STC [%]	22.45	22.65	22.84	23.03	23.23	23.42

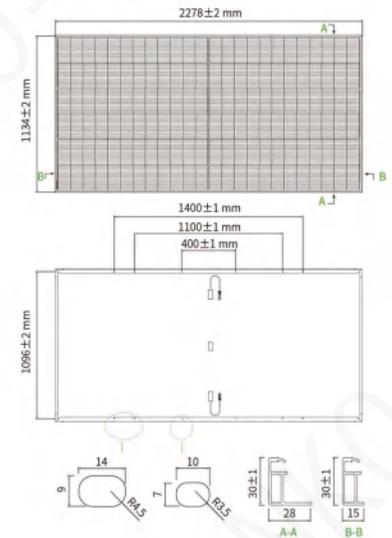
Power Tolerance	0 ~ +3 %
Temperature Coefficients of Pmax	-0.29 %/°C
Temperature Coefficients of Voc	-0.25 %/°C
Temperature Coefficients of Isc	0.045 %/°C

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Application Conditions

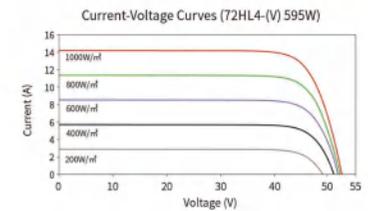
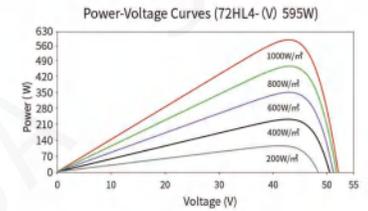
Operating Temperature	-40 °C ~ +70°C
Maximum System Voltage	1000/1500 VDC (IEC)
Maximum Series Fuse Rating	25 A

Engineering Drawings



*Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance



TIGER Neo

72HL4-BDV 575-600 Watt

BIFACIAL MODULE WITH DUAL GLASS

N-type



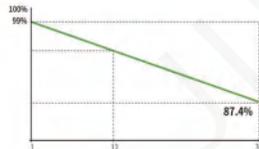
N-type Technology

N-type modules with Tunnel Oxide Passivating Contacts (TOPcon) technology offer lower LID/LeTID degradation and better low light performance.



HOT 3.0 Technology

N-type modules with JinkoSolar's HOT 3.0 technology offer better reliability and efficiency.



12 Year Product Warranty
30 Year Linear Power Warranty
1% First-year Degradation
0.40% Annual Degradation Over 30 Years

- IEC61215:2021 / IEC61730:2023
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



JKM575-600N-72HL4-BDV-F9-EN



Dual-Sided Power Generation

Dual-sided power generation gain increases with backside exposure to light, significantly reducing LCOE.



Mechanical Load Enhanced

Certified to withstand:
5400 Pa front side max static test load
2400 Pa rear side max static test load



SMBB Technology

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



Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.

72HL4-BDV 575-600 Watt

Mechanical Characteristics

Cell Type	N-type Mono-crystalline
No. of cells	144 (72×2)
Dimensions	2278×1134×30 mm
Weight	31.0 kg
Front Glass	2.0 mm, Anti-reflection Coating
Back Glass	2.0 mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M/MC4/Others
Output Cables	4.0 mm ² (+): 400 mm, (-): 200 mm or Customized Length

Packaging Configuration

Pallet Dimensions	2338×1140×1251 mm
Packing Detail	36 pcs/pallets, 72 pcs/stack, (Two pallets = One stack)
	720 pcs/ 40'HQ Container

Specifications (STC)

Maximum Power - Pmax [Wp]	575	580	585	590	595	600
Maximum Power Voltage - Vmp [V]	43.73	43.88	44.02	44.17	44.31	44.45
Maximum Power Current - Imp [A]	13.15	13.22	13.29	13.36	13.43	13.50
Open-circuit Voltage - Voc [V]	52.30	52.50	52.70	52.90	53.10	53.30
Short-circuit Current - Isc [A]	13.89	13.95	14.01	14.07	14.13	14.19
Module Efficiency STC [%]	22.26	22.45	22.65	22.84	23.03	23.23
Power Tolerance	0 ~ + 3 %					
Temperature Coefficients of Pmax	-0.29 %/°C					
Temperature Coefficients of Voc	-0.25 %/°C					
Temperature Coefficients of Isc	0.045 %/°C					

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Specifications (BNPI)

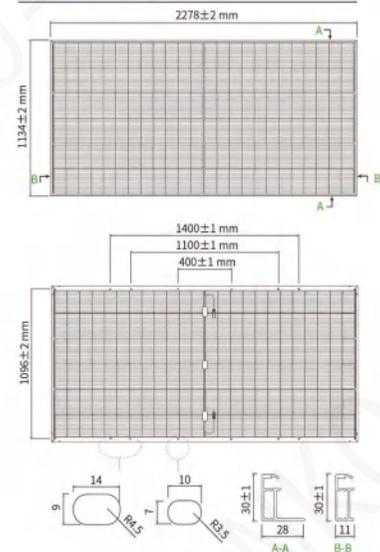
Maximum Power - Pmax [Wp]	633	638	644	649	655	660
Maximum Power Voltage - Vmp [V]	43.84	44.00	44.17	44.33	44.50	44.66
Maximum Power Current - Imp [A]	14.44	14.50	14.58	14.64	14.72	14.78
Open-circuit Voltage - Voc [V]	52.33	52.53	52.73	52.93	53.13	53.33
Short-circuit Current - Isc [A]	15.19	15.25	15.31	15.37	15.43	15.49

BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25°C, AM=1.5

Application Conditions

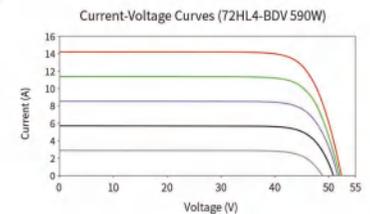
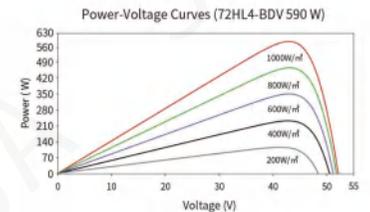
Operating Temperature	-40 °C ~ +70 °C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	30 A
Bifaciality Coefficient	φVoc: 98±5 %, φIsc: 80±5 %, φPmax: 80±5 %

Engineering Drawings



Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance



www.jinkosolar.com



Tiger Neo N-type 72HL4-(V) 565-585 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.



PID Resistance

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



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



Hot 2.0 Technology

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

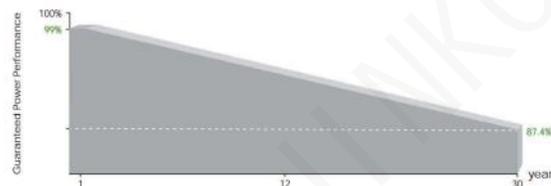


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

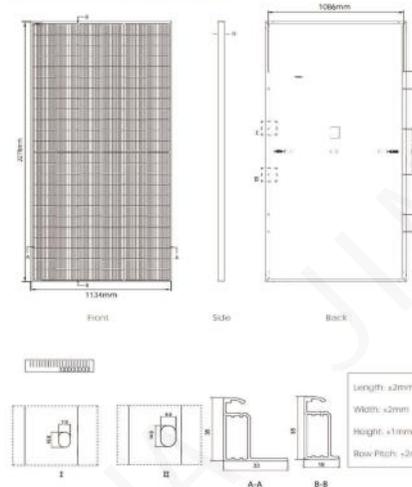


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings

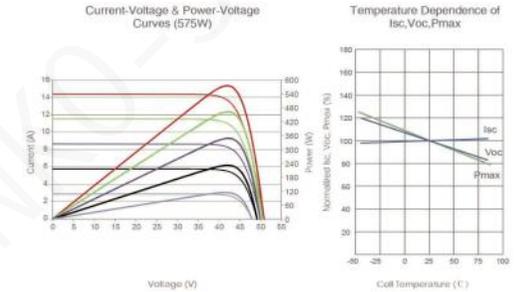


Packaging Configuration

(Two pallets = One stack)

31pcs/pallets, 62pcs/stack, 620pcs/ 40HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2278×1134×35mm (89.69×44.65×1.38 inch)
Weight	28 kg (61.73 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	JKM565N-72HL4		JKM570N-72HL4		JKM575N-72HL4		JKM580N-72HL4		JKM585N-72HL4	
	JKM565N-72HL4-V	JKM570N-72HL4-V	JKM570N-72HL4-V	JKM575N-72HL4-V	JKM575N-72HL4-V	JKM580N-72HL4-V	JKM580N-72HL4-V	JKM585N-72HL4-V	JKM585N-72HL4-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	565Wp	425Wp	570Wp	429Wp	575Wp	432Wp	580Wp	436Wp	585Wp	440Wp
Maximum Power Voltage (Vmp)	41.92V	39.38V	42.07V	39.51V	42.22V	39.60V	42.37V	39.69V	42.52V	39.81V
Maximum Power Current (Imp)	13.48A	10.79A	13.55A	10.85A	13.62A	10.92A	13.69A	10.99A	13.76A	11.05A
Open-circuit Voltage (Voc)	50.60V	48.06V	50.74V	48.20V	50.88V	48.33V	51.02V	48.46V	51.16V	48.60V
Short-circuit Current (Isc)	14.23A	11.49A	14.31A	11.55A	14.39A	11.62A	14.47A	11.68A	14.55A	11.75A
Module Efficiency STC (%)	21.87%		22.07%		22.26%		22.45%		22.65%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000/1500VDC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.29%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.045%/°C									
Nominal operating cell temperature: (NOCT)	45±2°C									

*STC: ☀ Irradiance 1000W/m² 📏 Cell Temperature 25°C ☁ AM=1.5

NOCT: ☀ Irradiance 800W/m² 📏 Ambient Temperature 20°C ☁ AM=1.5 🌬 Wind Speed 1m/s

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JKM565-585N-72HL4-(V)-F3-EN

www.jinkosolar.com



Tiger Neo N-type 72HL4-BDV 560-580 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.



PID Resistance

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



Higher Power Output

Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.



Hot 2.0 Technology

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

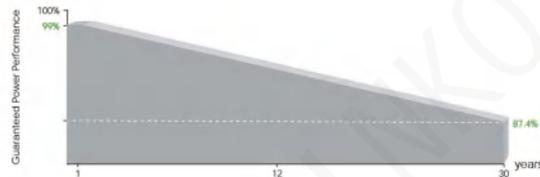


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

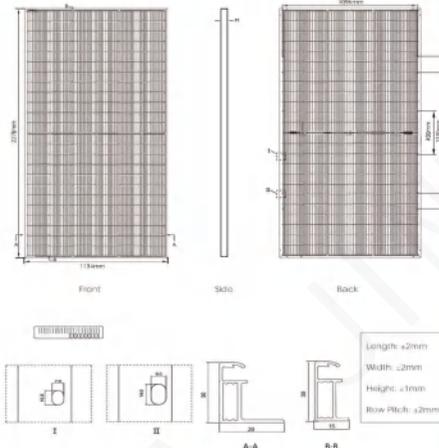


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings

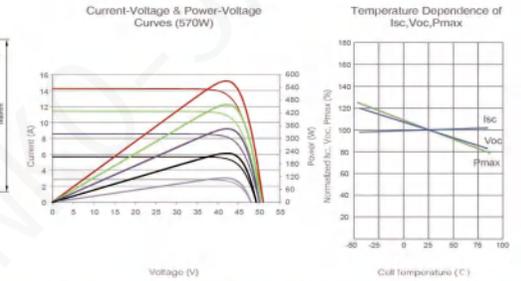


Packaging Configuration

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 720pcs/ 40HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	144 (2x72)
Dimensions	2278x1134x30mm (89.69x44.65x1.18 inch)
Weight	32 kg (70.55 lbs)
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1x4.0mm ² (+): 400mm, (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	JKM560N-72HL4-BDV		JKM565N-72HL4-BDV		JKM570N-72HL4-BDV		JKM575N-72HL4-BDV		JKM580N-72HL4-BDV	
	STC	NOCT								
Maximum Power (Pmax)	560Wp	421Wp	565Wp	425Wp	570Wp	429Wp	575Wp	432Wp	580Wp	436Wp
Maximum Power Voltage (Vmp)	41.95V	39.39V	42.14V	39.52V	42.29V	39.65V	42.44V	39.78V	42.59V	39.87V
Maximum Power Current (Imp)	13.35A	10.69A	13.41A	10.75A	13.48A	10.81A	13.55A	10.87A	13.62A	10.94A
Open-circuit Voltage (Voc)	50.67V	48.13V	50.87V	48.32V	51.07V	48.51V	51.27V	48.70V	51.47V	48.89V
Short-circuit Current (Isc)	14.13A	11.41A	14.19A	11.46A	14.25A	11.50A	14.31A	11.55A	14.37A	11.60A
Module Efficiency STC (%)	21.68%		21.87%		22.07%		22.26%		22.45%	
Operating Temperature(°C)	-40°C ~ +85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	30A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.29%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.045%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									
Refer. Bifacial Factor	80±5%									

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

	5%	15%	25%
Maximum Power (Pmax)	588Wp	644Wp	700Wp
Module Efficiency STC (%)	22.77%	24.93%	27.10%
Maximum Power (Pmax)	593Wp	650Wp	706Wp
Module Efficiency STC (%)	22.97%	25.15%	27.34%
Maximum Power (Pmax)	599Wp	656Wp	713Wp
Module Efficiency STC (%)	23.17%	25.37%	27.58%
Maximum Power (Pmax)	604Wp	661Wp	719Wp
Module Efficiency STC (%)	23.37%	25.60%	27.82%
Maximum Power (Pmax)	609Wp	667Wp	725Wp
Module Efficiency STC (%)	23.57%	25.82%	28.07%

*STC: ☀ Irradiance 1000W/m²

🌡 Cell Temperature 25°C

☁ AM=1.5

NOCT: ☀ Irradiance 800W/m²

🌡 Ambient Temperature 20°C

☁ AM=1.5

🌬 Wind Speed 1m/s

Tiger Pro 72HC

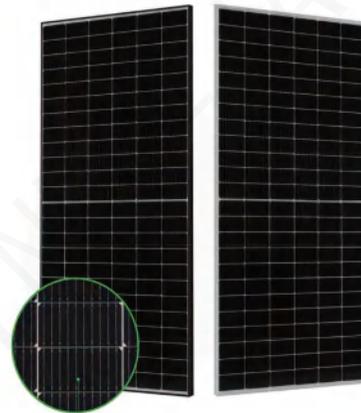
540-560 Watt

MONO-FACIAL MODULE

P-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



MBB HC Technology

Key Features



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



Durability Against Extreme Environmental Conditions
High salt mist and ammonia resistance.



Reduced Hot Spot Loss
Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



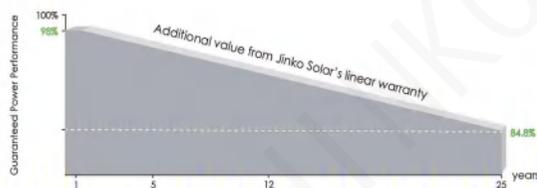
Enhanced Mechanical Load
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Longer Life-time Power Yield
0.55% annual power degradation and 25 year linear power warranty.



LINEAR PERFORMANCE WARRANTY

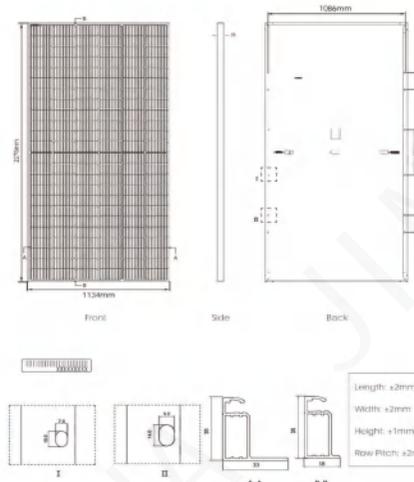


12 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

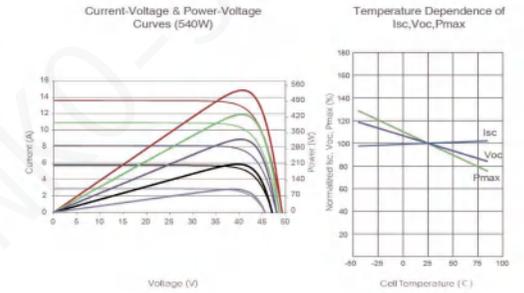
Engineering Drawings



Packaging Configuration

(Two pallets – One stack)
31pcs/pallets, 62pcs/stack, 620pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	144 (6x24)
Dimensions	2278x1134x35mm (89.53x44.65x1.38 Inch)
Weight	28 kg (61.73 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 1x4.0mm (+): 400mm, (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	JKM540M-72HL4		JKM545M-72HL4		JKM550M-72HL4		JKM555M-72HL4		JKM560M-72HL4	
	JKM540M-72HL4-V	JKM545M-72HL4-V	JKM545M-72HL4-V	JKM550M-72HL4-V	JKM550M-72HL4-V	JKM555M-72HL4-V	JKM555M-72HL4-V	JKM560M-72HL4-V	JKM560M-72HL4-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	540Wp	402Wp	545Wp	405Wp	550Wp	409Wp	555Wp	413Wp	560Wp	417Wp
Maximum Power Voltage (Vmp)	40.70V	38.08V	40.80V	38.25V	40.90V	38.42V	40.99V	38.59V	41.09V	38.69V
Maximum Power Current (Imp)	13.27A	10.55A	13.36A	10.60A	13.45A	10.65A	13.54A	10.70A	13.63A	10.77A
Open-circuit Voltage (Voc)	49.42V	46.65V	49.52V	46.74V	49.62V	46.84V	49.72V	46.93V	49.82V	47.02V
Short-circuit Current (Isc)	13.85A	11.19A	13.94A	11.26A	14.03A	11.33A	14.12A	11.40A	14.21A	11.48A
Module Efficiency STC (%)	20.90%		21.10%		21.29%		21.48%		21.68%	
Operating Temperature(°C)	-40°C ~ +85°C									
Maximum system voltage	1000/1500VDC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0 ~ +3%									
Temperature coefficients of Pmax	-0.35%/°C									
Temperature coefficients of Voc	-0.28%/°C									
Temperature coefficients of Isc	0.048%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

*STC: ☀ Irradiance 1000W/m² 📦 Cell Temperature 25°C ☁ AM=1.5
NOCT: ☀ Irradiance 800W/m² 📦 Ambient Temperature 20°C ☁ AM=1.5 🌬 Wind Speed 1m/s

TIGER Neo

54HL4M-BDV

495-520 Watt

BIFACIAL MODULE WITH DUAL GLASS

N-type



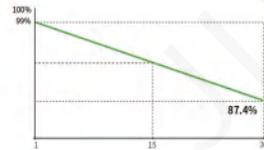
N-type Technology

N-type modules with Tunnel Oxide Passivating Contacts (TOPCon) technology offer lower LID/LeTID degradation and better low light performance.



HOT 3.0 Technology

N-type modules with JinkoSolar's HOT 3.0 technology offer better reliability and efficiency.



Dual-Sided Power Generation

Dual-sided power generation gain increases with backside exposure to light, significantly reducing LCOE.



Mechanical Load Enhanced

Certified to withstand: 5400 Pa front side max static test load 2400 Pa rear side max static test load



SMBB Technology

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



Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.

15 Year Product Warranty | **30** Year Linear Power Warranty | **1%** First-year Degradation | **0.40%** Annual Degradation Over 30 Years

- IEC61215:2021 / IEC61730:2023
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



JKM495-520N-54HL4M-BDV-F1-EN

54HL4M-BDV 495-520 Watt

Mechanical Characteristics

Cell Type	N-type Mono-crystalline
No. of cells	108 (54×2)
Dimensions	1961×1134×30 mm
Weight	27.0 kg
Front Glass	2.0 mm, Anti-reflection Coating
Back Glass	2.0 mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M / JK03M2 / Others*
Output Cables (Including Connector)	4.0 mm ² (+): 400 mm , (-): 200 mm or Customized Length

* MC4 and MC4-EVO2 available upon request and subject to availability

Packaging Configuration

Pallet Dimensions	1981×1140×1249 mm
Packing Detail (Two pallets = One stack)	37 pcs/pallets, 74 pcs/stack, 888 pcs/ 40'HQ Container

Specifications (STC)

Maximum Power - Pmax [Wp]	495	500	505	510	515	520
Maximum Power Voltage - Vmp [V]	33.72	33.95	34.17	34.39	34.62	34.83
Maximum Power Current - Imp [A]	14.68	14.73	14.78	14.83	14.88	14.93
Open-circuit Voltage - Voc [V]	40.21	40.38	40.55	40.72	40.89	41.06
Short-circuit Current - Isc [A]	15.58	15.63	15.68	15.73	15.78	15.83
Module Efficiency STC [%]	22.26	22.48	22.71	22.93	23.16	23.38
Power Tolerance	0 ~ + 3 %					
Temperature Coefficients of Pmax	-0.29 %/°C					
Temperature Coefficients of Voc	-0.25 %/°C					
Temperature Coefficients of Isc	0.045 %/°C					

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Specifications (BNPI)

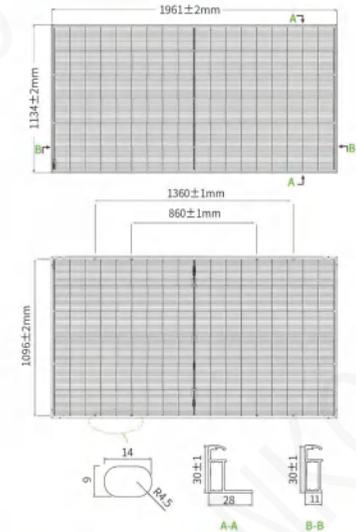
Maximum Power - Pmax [Wp]	545	551	556	562	567	573
Maximum Power Voltage - Vmp [V]	33.72	33.95	34.17	34.39	34.62	34.83
Maximum Power Current - Imp [A]	16.16	16.22	16.27	16.33	16.38	16.44
Open-circuit Voltage - Voc [V]	40.21	40.38	40.55	40.72	40.89	41.06
Short-circuit Current - Isc [A]	17.15	17.21	17.26	17.32	17.37	17.43

BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25°C, AM=1.5

Application Conditions

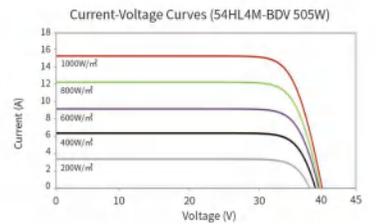
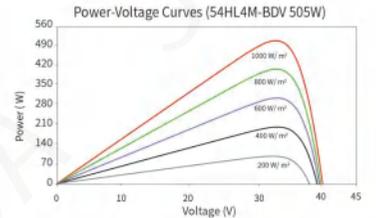
Operating Temperature	-40 °C ~ +70 °C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	35 A
Bifaciality Coefficient	φVoc: 98±5 % , φIsc: 80±5 % , φPmax: 80±5 %

Engineering Drawings



*Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance



TIGER Neo

60HL4-V

490-515 Watt
MONO-FACIAL MODULE

N-type



N-type Technology

N-type modules with Tunnel Oxide Passivating Contacts (TOPCon) technology offer better low light performance.



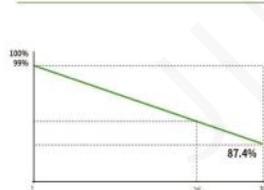
HOT 3.0 Technology

N-type modules with JinkoSolar's HOT 3.0 technology offer better reliability and efficiency.



Mechanical Load Enhanced

Certified to withstand:
5400 Pa front side max static test load;
2400 Pa rear side max static test load



25 Year Product Warranty, 30 Year Linear Power Warranty, 1% First-year Degradation, 0.40% Annual Degradation Over 30 Years

- IEC61215:2021 / IEC61730:2023
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



JKM490-515N-60HL4-V-Z1-OC

60HL4-V 490-515 Watt

Mechanical Characteristics

Cell Type	N-type Mono-crystalline
No. of cells	120 (60×2)
Dimensions	1906×1134×30 mm
Weight	22.5 kg
Front Glass	3.2mm, Anti-reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M, JK03M2 (Jinko) / MC4-EVO2 (Staubli)
Output Cables	(+): 400 mm, (-): 200 mm or Customized Length

Packaging Configuration

Pallet Dimensions	1936×1140×1249 mm
Packing detail (Two pallets=One stack)	37 pcs/pallets, 74 pcs/stack, 888 pcs/ 40'HQ Container

Specifications (STC)

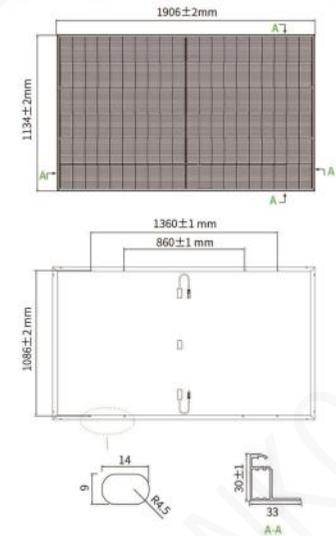
Maximum Power - Pmax [Wp]	490	495	500	505	510	515
Maximum Power Voltage - Vmp [V]	36.43	36.62	36.79	36.97	37.15	37.32
Maximum Power Current - Imp [A]	13.45	13.52	13.59	13.66	13.73	13.80
Open-circuit Voltage - Voc [V]	43.91	44.07	44.21	44.36	44.51	44.66
Short-circuit Current - Isc [A]	14.01	14.09	14.17	14.25	14.33	14.41
Module Efficiency STC [%]	22.67	22.90	23.13	23.36	23.60	23.83
Power Measurement Tolerance	± 3%					
Power Sorting	-5W ~ +15W					
Temperature Coefficients of Pmax	-0.29 %/°C					
Temperature Coefficients of Voc	-0.25 %/°C					
Temperature Coefficients of Isc	0.045 %/°C					

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Application Conditions

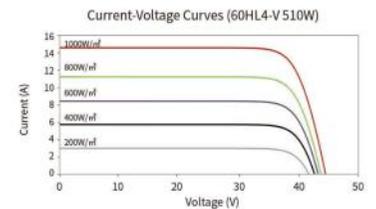
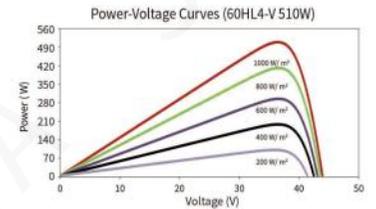
Operating Temperature	-40 °C ~ +70°C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	25 A

Engineering Drawings



*Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance



Made in China

JKM490-515N-60HL4-V-Z1-OC
www.jinkosolar.com
www.jinkosolar.com

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Note: Please read the safety and installation manual before using the product. We reserve the right of final interpretation. The specifications in this datasheet are subject to change without notice.

Tiger 78TR

470-490Watt

MONO-FACIAL MODULE

P-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



Tiling Ribbon (TR) Technology

Key Features



TR technology + Half Cell

TR technology with Half cell aims to eliminate the cell gap to increase module efficiency (mono-facial up to 21.38%)



Best Warranty

12 year product warranty,
25 year linear power warranty



9BB instead of 5BB

9BB technology decreases the distance between bus bars and finger grid line which is benefit to power increase.



Enhanced Mechanical Load

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



Higher lifetime Power Yield

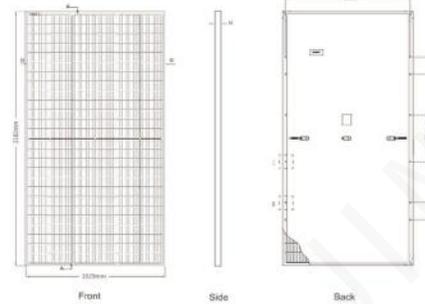
2% first year degradation,
0.55% linear degradation



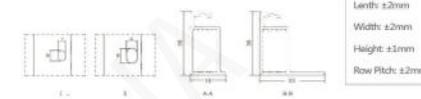
Avoid debris, cracks and broken gate risk effectively

9BB technology using circular ribbon that could avoid debris, cracks and broken gate risk effectively

Engineering Drawings



Dimensions



Packaging Configuration

(Two pallets - One stack)

31pcs/pallets, 62pcs/stack, 620pcs/40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

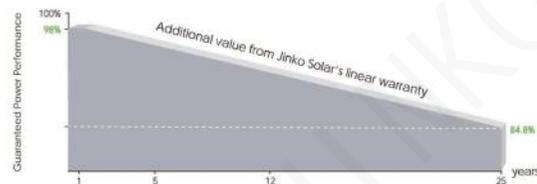
Cell Type	P type Mono-crystalline
No. of cells	156(2x78)
Dimensions	2182x1029x35mm (85.91x40.51x1.38 inch)
Weight	25.0kg (55.12 lbs)
Front Glass	3.2mm Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1x4.0mm (+): 290mm, (-): 145mm or Customized Length

SPECIFICATIONS

Module Type	JKM470M-7RL3		JKM475M-7RL3		JKM480M-7RL3		JKM485M-7RL3		JKM490M-7RL3	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	470Wp	350Wp	475Wp	353Wp	480Wp	357Wp	485Wp	361Wp	490Wp	365Wp
Maximum Power Voltage (Vmp)	43.28V	39.69V	43.38V	39.75V	43.48V	39.90V	43.58V	40.05V	43.68V	40.05V
Maximum Power Current (Imp)	10.86A	8.81A	10.95A	8.89A	11.04A	8.95A	11.13A	9.01A	11.22A	9.08A
Open-circuit Voltage (Voc)	52.14V	49.21V	52.24V	49.31V	52.34V	49.40V	52.44V	49.50V	52.54V	49.59V
Short-circuit Current (Isc)	11.68A	9.43A	11.77A	9.51A	11.86A	9.58A	11.95A	9.65A	12.04A	9.72A
Module Efficiency STC (%)	20.93%		21.16%		21.38%		21.60%		21.82%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum System Voltage	1000/1500VDC (IEC)									
Maximum Series Fuse Rating	20A									
Power Tolerance	0~+3%									
Temperature Coefficients of Pmax	-0.35%/°C									
Temperature Coefficients of Voc	-0.28%/°C									
Temperature Coefficients of Isc	0.048%/°C									
Nominal Operating Cell Temperature (NOCT)	45±2°C									

*STC: ☀ Irradiance 1000W/m² 📄 Cell Temperature 25°C ☁ AM=1.5
NOCT: ☀ Irradiance 800W/m² 📄 Ambient Temperature 20°C ☁ AM=1.5 🌀 Wind Speed 1m/s

LINEAR PERFORMANCE WARRANTY



12 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

Tiger Neo N-type 60HL4-(V) 460-480 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.



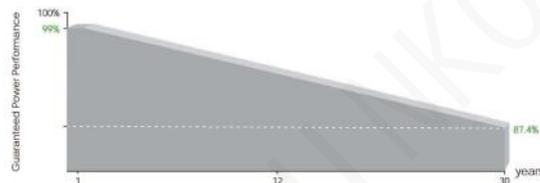
Enhanced Mechanical Load
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability Against Extreme Environmental Conditions
High salt mist and ammonia resistance.



LINEAR PERFORMANCE WARRANTY

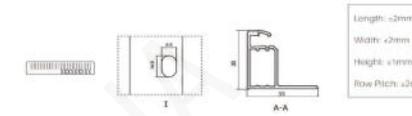
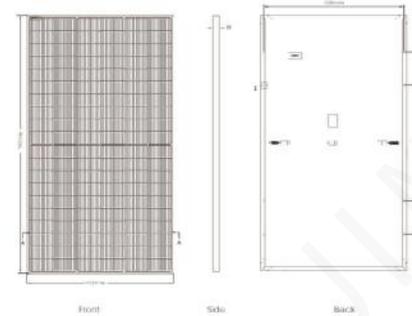


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

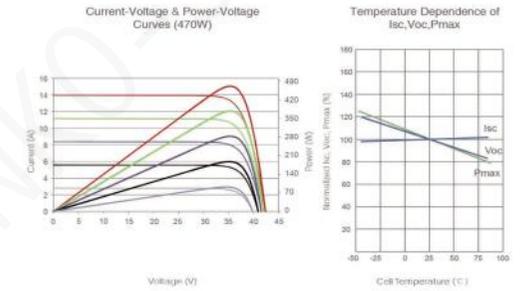
Engineering Drawings



Packaging Configuration

(Two pallets = One stack)
36pcs/pallets, 72pcs/stack, 864pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	120 (6x20)
Dimensions	1903x1134x30mm (74.92x44.65x1.18 inch)
Weight	24.2 kg (53.35 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 1x4.0mm (+): 400mm, (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	JKM460N-60HL4		JKM465N-60HL4		JKM470N-60HL4		JKM475N-60HL4		JKM480N-60HL4	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	460Wp	346Wp	465Wp	350Wp	470Wp	353Wp	475Wp	357Wp	480Wp	361Wp
Maximum Power Voltage (Vmp)	34.72V	32.60V	34.89V	32.77V	35.05V	32.94V	35.21V	33.10V	35.38V	33.27V
Maximum Power Current (Imp)	13.25A	10.61A	13.33A	10.67A	13.41A	10.73A	13.49A	10.79A	13.57A	10.85A
Open-circuit Voltage (Voc)	42.05V	39.94V	42.22V	40.10V	42.38V	40.25V	42.54V	40.41V	42.71V	40.57V
Short-circuit Current (Isc)	13.99A	11.29A	14.07A	11.36A	14.15A	11.42A	14.23A	11.49A	14.31A	11.55A
Module Efficiency STC (%)	21.32%		21.55%		21.78%		22.01%		22.24%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000/1500VDC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.29%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.045%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

*STC: ☀ Irradiance 1000W/m² 🌡 Cell Temperature 25°C ☁ AM=1.5
NOCT: ☀ Irradiance 800W/m² 🌡 Ambient Temperature 20°C ☁ AM=1.5 🌬 Wind Speed 1m/s

Tiger Pro 60HC

450-470 Watt

MONO-FACIAL MODULE

P-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



MBB HC Technology

Key Features



Multi Busbar Technology

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



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



Reduced Hot Spot Loss

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



Enhanced Mechanical Load

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

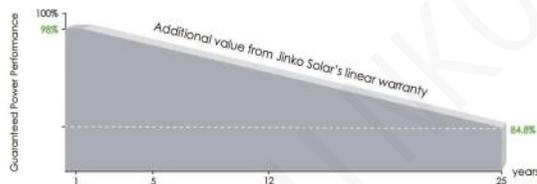


PID Resistance

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



LINEAR PERFORMANCE WARRANTY

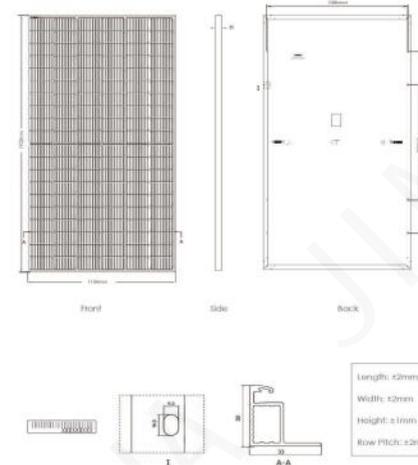


12 Year Product Warranty

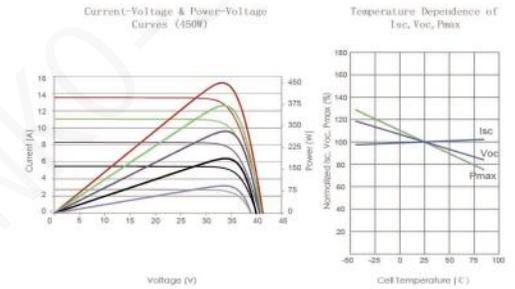
25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	120 (6×20)
Dimensions	1903×1134×30mm (74.92×44.65×1.18 inch)
Weight	24.2 kg (53.35 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 ² (+): 290mm, (-): 145mm or Customized Length

Packaging Configuration

[Two pallets = One stack]

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

SPECIFICATIONS

Module Type	JKM450M-60HL4		JKM455M-60HL4		JKM460M-60HL4		JKM465M-60HL4		JKM470M-60HL4	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	450Wp	335Wp	455Wp	339Wp	460Wp	342Wp	465Wp	346Wp	470Wp	350Wp
Maximum Power Voltage (Vmp)	33.91V	31.73V	34.06V	31.91V	34.20V	32.07V	34.37V	32.12V	34.56V	32.32V
Maximum Power Current (Imp)	13.27A	10.55A	13.36A	10.61A	13.45A	10.67A	13.53A	10.77A	13.60A	10.82A
Open-circuit Voltage (Voc)	41.18V	38.87V	41.33V	39.01V	41.48V	39.15V	41.63V	39.29V	41.78V	39.43V
Short-circuit Current (Isc)	13.85A	11.19A	13.93A	11.25A	14.01A	11.32A	14.09A	11.38A	14.17A	11.34A
Module Efficiency STC (%)	20.85%		21.08%		21.32%		21.55%		21.78%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000/1500VDC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.35%/°C									
Temperature coefficients of Voc	-0.28%/°C									
Temperature coefficients of Isc	0.048%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

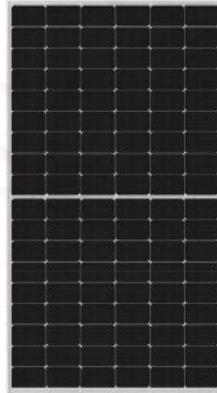
*STC: ☀ Irradiance 1000W/m² 🌡 Cell Temperature 25°C ☁ AM=1.5
NOCT: ☀ Irradiance 800W/m² 🌡 Ambient Temperature 20°C ☁ AM=1.5 🌬 Wind Speed 1m/s

Tiger Neo N-type 54HL4R-(V) 425-445 Watt MONO-FACIAL MODULE

N-Type

Positive power tolerance of 0~+3%

- IEC61215(2016), IEC61730(2016)
- ISO9001:2015: Quality Management System
- ISO 14001:2015: Environment Management System
- ISO 45001:2018 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.



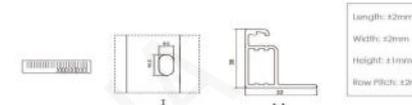
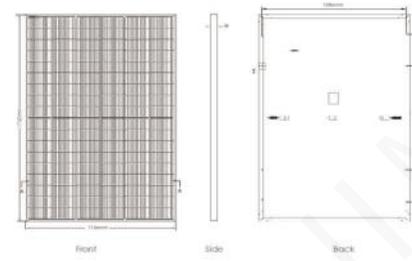
Enhanced Mechanical Load
Certified to withstand: wind load (4000 Pascal) and snow load (6000 Pascal).



Durability Against Extreme Environmental Conditions
High salt mist and ammonia resistance.



Engineering Drawings

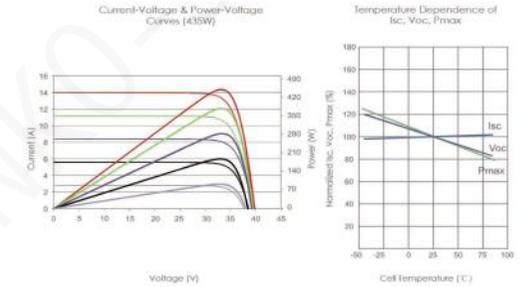


*This tolerance range applies only to the four-angle distance of the module as indicated above.

Packaging Configuration

[Two pallets = One stack]
36pcs/pallets, 72pcs/stack, 936pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

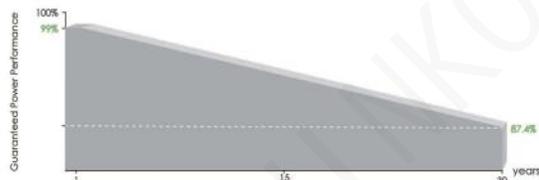
Cell Type	N type Mono-crystalline
No. of cells	108 (2x54)
Dimensions	1762x1134x30mm (69.36x44.65x1.18 inch)
Weight	22 kg (48.50 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1x4.0mm ² (+): 400mm, (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	JKM425N-54HL4R		JKM430N-54HL4R		JKM435N-54HL4R		JKM440N-54HL4R		JKM445N-54HL4R	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	425Wp	320Wp	430Wp	323Wp	435Wp	327Wp	440Wp	331Wp	445Wp	335Wp
Maximum Power Voltage (Vmp)	32.18V	29.99V	32.38V	30.10V	32.59V	30.33V	32.81V	30.56V	33.02V	30.76V
Maximum Power Current (Imp)	13.21A	10.67A	13.28A	10.73A	13.35A	10.78A	13.41A	10.83A	13.48A	10.89A
Open-circuit Voltage (Voc)	38.75V	36.81V	38.95V	37.00V	39.16V	37.20V	39.38V	37.41V	39.59V	37.61V
Short-circuit Current (Isc)	13.66A	11.03A	13.73A	11.09A	13.80A	11.14A	13.86A	11.19A	13.93A	11.25A
Module Efficiency STC (%)	21.27%		21.52%		21.77%		22.02%		22.27%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000/1500VDC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.29%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.045%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

*STC: ☀ Irradiance 1000W/m² 🌡 Cell Temperature 25°C ☁ AM=1.5
NOCT: ☀ Irradiance 800W/m² 🌡 Ambient Temperature 20°C ☁ AM=1.5 🌬 Wind Speed 1m/s

LINEAR PERFORMANCE WARRANTY



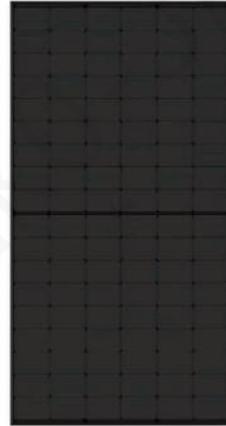
- 15 Year Product Warranty
- 30 Year Linear Power Warranty
- 0.40% Annual Degradation Over 30 years

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.



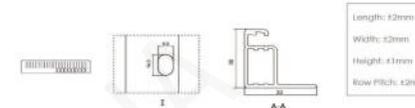
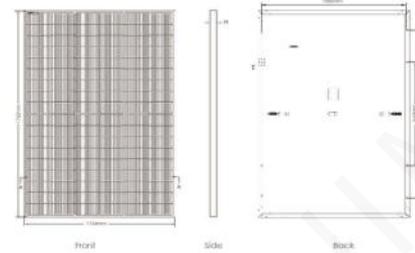
Enhanced Mechanical Load
Certified to withstand: wind load (4000 Pascal) and snow load (6000 Pascal).



Durability Against Extreme Environmental Conditions
High salt mist and ammonia resistance.



Engineering Drawings

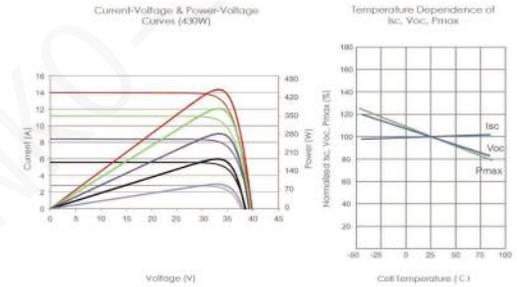


*This tolerance range applies only to the four-angle distance of the module as indicated above.

Packaging Configuration

[Two pallets = One stack]
36pcs/pallets, 72pcs/stack, 936pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

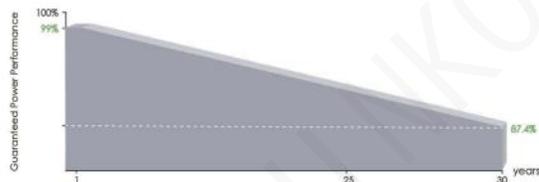
Cell Type	N type Mono-crystalline
No. of cells	108 (6x18)
Dimensions	1762x1134x30mm (69.36x44.65x1.18 inch)
Weight	22 kg (48.50 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1x4.0mm ² (+): 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	30.30V	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	-0.29%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.045%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

*STC: ☀ Irradiance 1000W/m² 🌡 Cell Temperature 25°C ☁ AM=1.5
NOCT: ☀ Irradiance 800W/m² 🌡 Ambient Temperature 20°C ☁ AM=1.5 🌬 Wind Speed 1m/s

LINEAR PERFORMANCE WARRANTY



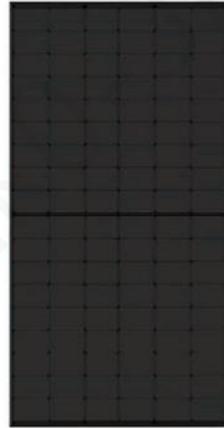
- 25 Year Product Warranty
- 30 Year Linear Power Warranty
- 0.40% Annual Degradation Over 30 years

Tiger Neo N-type 54HL4-B 400-420 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.



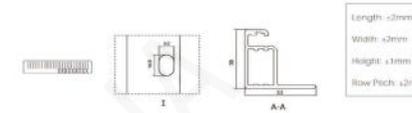
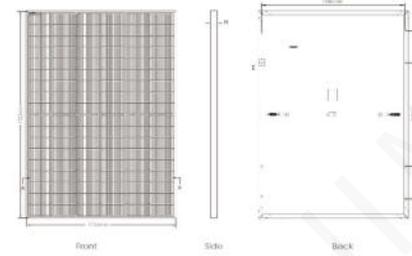
Enhanced Mechanical Load
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability Against Extreme Environmental Conditions
High salt mist and ammonia resistance.



Engineering Drawings



Electrical Performance & Temperature Dependence



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)

Packaging Configuration

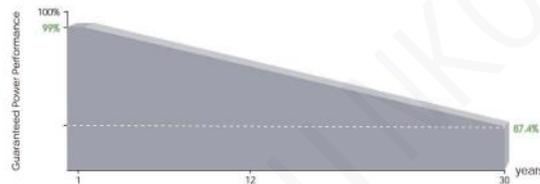
(Two pallets = One stack)
36pcs/pallets, 72pcs/stack, 936pcs/40'HQ Container

SPECIFICATIONS

Module Type	JKM400N-54HL4-B		JKM405N-54HL4-B		JKM410N-54HL4-B		JKM415N-54HL4-B		JKM420N-54HL4-B	
	STC	NOCT								
Maximum Power (Pmax)	400Wp	301Wp	405Wp	305Wp	410Wp	308Wp	415Wp	312Wp	420Wp	316Wp
Maximum Power Voltage (Vmp)	31.28V	28.89V	31.47V	29.08V	31.66V	29.59V	31.85V	29.78V	32.04V	29.97V
Maximum Power Current (Imp)	12.79A	10.30A	12.87A	10.36A	12.95A	10.42A	13.03V	10.48A	13.11A	10.54A
Open-circuit Voltage (Voc)	37.38V	35.50V	37.58V	35.69V	37.77V	35.88V	37.96V	36.06V	38.15V	36.24V
Short-circuit Current (Isc)	13.55A	10.94A	13.62A	11.00A	13.68A	11.04A	13.74A	11.09A	13.80A	11.14A
Module Efficiency STC (%)	20.48%		20.74%		21.00%		21.25%		21.51%	
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	-0.29%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.045%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

*STC: ☀ Irradiance 1000W/m² ☀ Cell Temperature 25°C ☁ AM=1.5
NOCT: ☀ Irradiance 800W/m² ☀ Ambient Temperature 20°C ☁ AM=1.5 🌀 Wind Speed 1m/s

LINEAR PERFORMANCE WARRANTY



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

Tiger N-Type 66TR

400-420 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



Multi Busbar Technology

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



PID Resistance

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



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



Hot 2.0 Technology

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

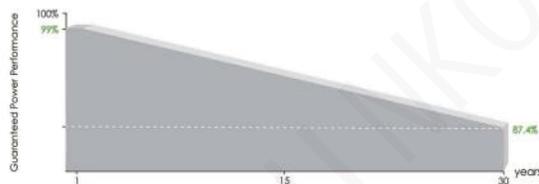


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

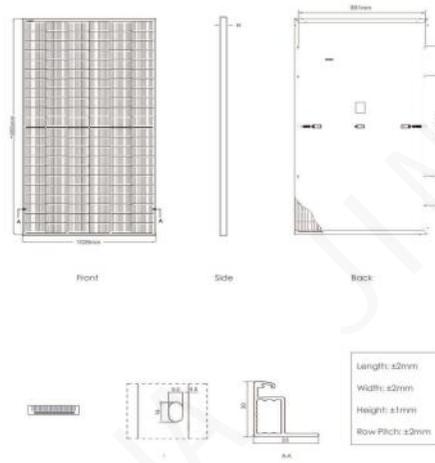


15 Year Product Warranty

30 Year Linear Power Warranty

0.4% Annual Degradation Over 30 years

Engineering Drawings

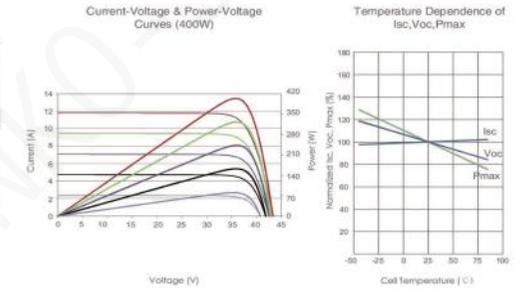


Packaging Configuration

(Two pallets = One stack)

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

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	132 (2x66)
Dimensions	1855×1029×30mm (73.03×40.51×1.18 inch)
Weight	20.8kg (45.86 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 ² (+): 290mm, (-): 145mm or Customized Length

SPECIFICATIONS

Module Type	JKM400N-6RL3		JKM405N-6RL3		JKM410N-6RL3		JKM415N-6RL3		JKM420N-6RL3	
	JKM400N-6RL3-V	JKM405N-6RL3-V	JKM410N-6RL3-V	JKM415N-6RL3-V	JKM420N-6RL3-V	JKM420N-6RL3-V	JKM420N-6RL3-V	JKM420N-6RL3-V	JKM420N-6RL3-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	400Wp	298Wp	405Wp	302Wp	410Wp	306Wp	415Wp	309Wp	420Wp	313Wp
Maximum Power Voltage (Vmp)	36.33V	33.59V	36.48V	33.70V	36.64V	33.78V	36.79V	33.89V	36.94V	33.96V
Maximum Power Current (Imp)	11.01A	8.88A	11.10A	8.96A	11.19A	9.05A	11.28A	9.13A	11.37A	9.22A
Open-circuit Voltage (Voc)	46.05V	43.47V	46.30V	43.70V	46.55V	43.94V	46.77V	44.14V	47.00V	44.36V
Short-circuit Current (Isc)	11.73A	9.47A	11.84A	9.56A	11.95A	9.65A	12.06A	9.74A	12.17A	9.83A
Module Efficiency STC (%)	20.96%		21.22%		21.48%		21.74%		22.00%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum System Voltage	1000/1500VDC (IEC)									
Maximum Series Fuse Rating	20A									
Power Tolerance	0~+3%									
Temperature Coefficients of Pmax	-0.34%/°C									
Temperature Coefficients of Voc	-0.28%/°C									
Temperature Coefficients of Isc	0.048%/°C									
Nominal Operating Cell Temperature (NOCT)	45±2°C									

*STC: ☀ Irradiance 1000W/m² 🌡 Cell Temperature 25°C ☁ AM=1.5
 NOCT: ☀ Irradiance 800W/m² 🌡 Ambient Temperature 20°C ☁ AM=1.5 🌬 Wind Speed 1m/s

Tiger Pro 54HC

395-415 Watt

MONO-FACIAL MODULE

P-Type

Positive power tolerance of 0~+3%

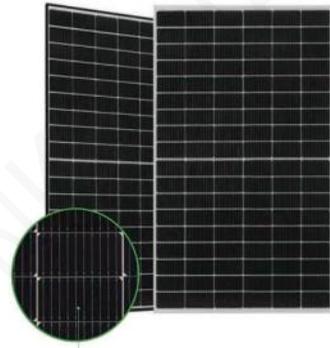
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



MBB HC Technology

Key Features



Multi Busbar Technology

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



Reduced Hot Spot Loss

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



PID Resistance

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



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

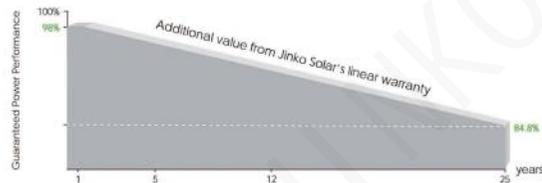


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

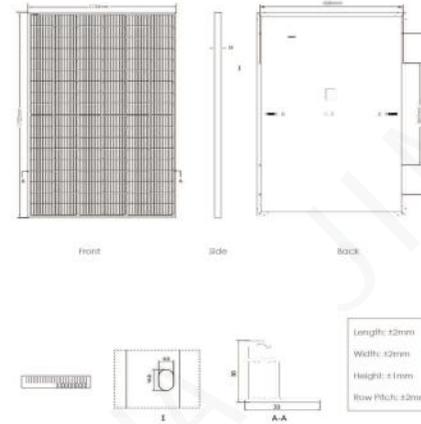


15 Year Product Warranty

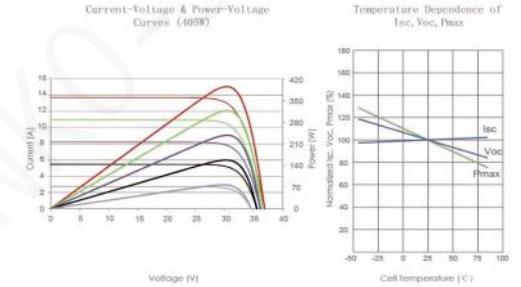
25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	108 (2x54)
Dimensions	1722x1134x30mm (67.80x44.65x1.18 inch)
Weight	22.0 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 1x4.0mm ² (+): 400mm, (-): 200mm or Customized Length

Packaging Configuration

[Two pallets = One stack]

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

SPECIFICATIONS

Module Type	JKM395M-54HL4		JKM400M-54HL4		JKM405M-54HL4		JKM410M-54HL4		JKM415M-54HL4	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	395Wp	294Wp	400Wp	298Wp	405Wp	301Wp	410Wp	305Wp	415Wp	309Wp
Maximum Power Voltage (Vmp)	30.32V	28.26V	30.42V	28.42V	30.52V	28.56V	30.62V	28.72V	30.79V	28.88V
Maximum Power Current (Imp)	13.03A	10.40A	13.15A	10.47A	13.27A	10.55A	13.39A	10.62A	13.48A	10.69A
Open-circuit Voltage (Voc)	36.90V	34.83V	36.98V	34.90V	37.06V	34.98V	37.14V	35.05V	37.31V	35.21V
Short-circuit Current (Isc)	13.71A	11.07A	13.78A	11.13A	13.85A	11.19A	13.92A	11.24A	14.01A	11.32A
Module Efficiency STC (%)	20.23%		20.48%		20.74%		21.00%		21.25%	
Operating Temperature (°C)	-40°C~+85°C									
Maximum system voltage	1000/1500VDC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.35%/°C									
Temperature coefficients of Voc	-0.28%/°C									
Temperature coefficients of Isc	0.048%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

*STC: ☀ Irradiance 1000W/m² 📦 Cell Temperature 25°C ☁ AM=1.5
NOCT: ☀ Irradiance 800W/m² 📦 Ambient Temperature 20°C ☁ AM=1.5 🌬 Wind Speed 1m/s

Tiger N-Type 66TR

395-415 Watt

MONO-FACIAL ALL BLACK

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



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



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



Durability Against Extreme Environmental Conditions
High salt mist and ammonia resistance.



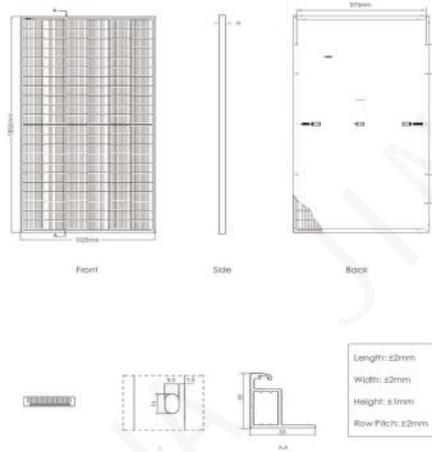
Hot 2.0 Technology
The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



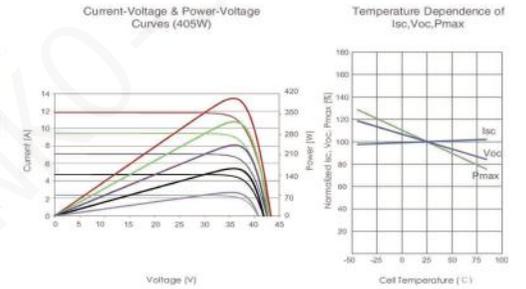
Enhanced Mechanical Load
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	132 (2*66)
Dimensions	1855*1029*30mm (73.03*40.51*1.18 inch)
Weight	20.8kg (45.86 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*4.0mm² (+): 290mm, (-): 145mm or Customized Length

Packaging Configuration

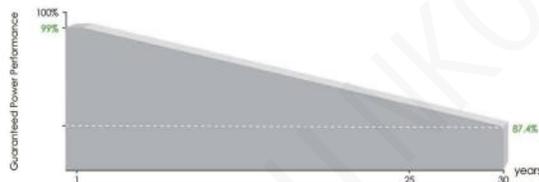
[Two pallets = One stack]
36pcs/pallets, 72pcs/stack, 864pcs/40HQ Container

SPECIFICATIONS

Module Type	JKM395N-6RL3-B		JKM400N-6RL3-B		JKM405N-6RL3-B		JKM410N-6RL3-B		JKM415N-6RL3-B	
	STC	NOCT								
Maximum Power (Pmax)	395Wp	295Wp	400Wp	298Wp	405Wp	302Wp	410Wp	306Wp	415Wp	309Wp
Maximum Power Voltage (Vmp)	37.91V	35.19V	38.10V	35.38V	38.28V	35.57V	38.46V	35.71V	38.64V	35.85V
Maximum Power Current (Imp)	10.42A	8.37A	10.50A	8.43A	10.58A	8.49A	10.66A	8.56A	10.74A	8.63A
Open-circuit Voltage (Voc)	46.22A	43.63V	46.41	43.80V	46.59V	43.97V	46.77V	44.14V	46.95V	44.31V
Short-circuit Current (Isc)	11.00A	8.88A	11.08A	8.95A	11.16A	9.01A	11.24A	9.08A	11.32A	9.14A
Module Efficiency STC (%)	20.69%		20.96%		21.22%		21.48%		21.74%	
Operating Temperature(°C)	-40 C ~+85 C									
Maximum System Voltage	1000VDC (IEC)									
Maximum Series Fuse Rating	20A									
Power Tolerance	0~+3%									
Temperature Coefficients of Pmax	-0.34%/C									
Temperature Coefficients of Voc	-0.28%/C									
Temperature Coefficients of Isc	0.048%/C									
Nominal Operating Cell Temperature (NOCT)	45±2 C									

*STC: ☀ Irradiance 1000W/m² 🌡 Cell Temperature 25°C ☁ AM=1.5
NOCT: ☀ Irradiance 800W/m² 🌡 Ambient Temperature 20°C ☁ AM=1.5 🌬 Wind Speed 1m/s

LINEAR PERFORMANCE WARRANTY



- 25 Year Product Warranty
- 30 Year Linear Power Warranty
- 0.4% Annual Degradation Over 30 years

Tiger 66TR

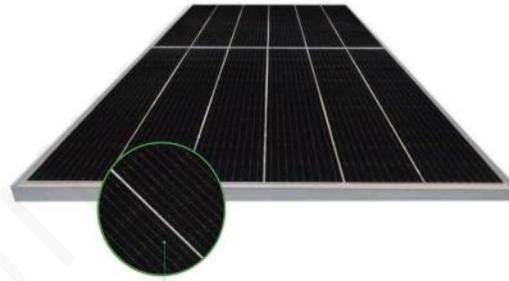
390-410 Watt

MONO-FACIAL MODULE

P-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



Tiling Ribbon (TR) Technology

Key Features



TR technology + Half Cell

TR technology with Half cell aims to eliminate the cell gap to increase module efficiency (mono-facial up to 21.48%)



9BB instead of 5BB

9BB technology decreases the distance between bus bars and finger grid line which is benefit to power increase.



Higher lifetime Power Yield

2% first year degradation, 0.55% linear degradation



Best Warranty

12 year product warranty, 25 year linear power warranty



Enhanced Mechanical Load

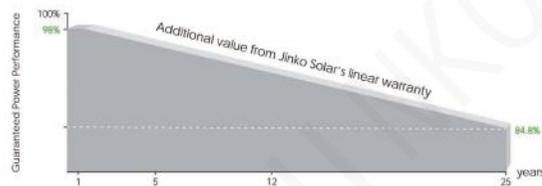
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Avoid debris, cracks and broken gate risk effectively

9BB technology using circular ribbon that could avoid debris, cracks and broken gate risk effectively

LINEAR PERFORMANCE WARRANTY

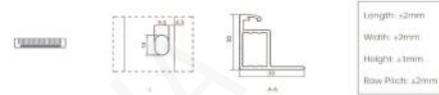
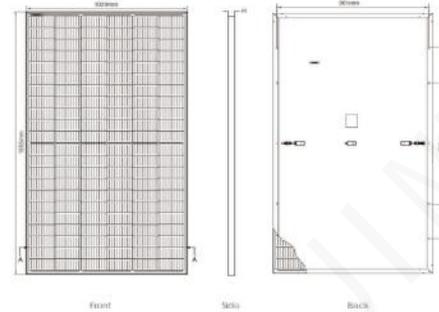


12 Year Product Warranty

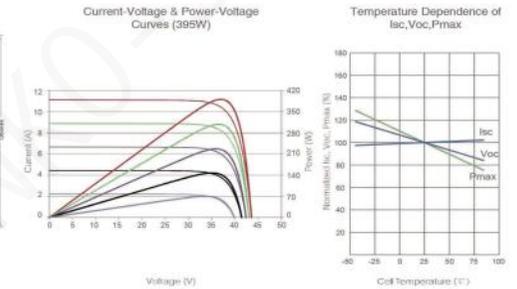
25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	132 (2x66)
Dimensions	1855x1029x30mm (73.03x40.51x1.18 inch)
Weight	20.8kg (45.86 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 1x4.0mm (A): 290mm, (J): 145mm or Customized Length

Packaging Configuration

(Two pallets = One stack)
36pcs/pallets, 72pcs/stack, 864pcs/ 40HQ Container

SPECIFICATIONS

Module Type	JKM390M-6RL3		JKM395M-6RL3		JKM400M-6RL3		JKM405M-6RL3		JKM410M-6RL3	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	390Wp	290Wp	395Wp	294Wp	400Wp	298Wp	405Wp	301Wp	410Wp	305Wp
Maximum Power Voltage (Vmp)	36.49V	33.66V	36.58V	33.82V	36.67V	33.86V	36.76V	33.97V	36.84V	34.04V
Maximum Power Current (Imp)	10.69A	8.62A	10.80A	8.69A	10.91A	8.79A	11.02A	8.87A	11.13A	8.96A
Open-circuit Voltage (Voc)	43.75V	41.29V	43.93V	41.47V	44.12V	41.64V	44.20V	41.72V	44.29V	41.80V
Short-circuit Current (Isc)	11.39A	9.20A	11.48A	9.27A	11.57A	9.34A	11.68A	9.43A	11.79A	9.52A
Module Efficiency STC (%)	20.43%		20.69%		20.96%		21.22%		21.48%	
Operating Temperature(°C)	-40 C ~ +85 C									
Maximum System Voltage	1000/1500VDC (IEC)									
Maximum Series Fuse Rating	20A									
Power Tolerance	0~+3%									
Temperature Coefficients of Pmax	-0.35%/C									
Temperature Coefficients of Voc	-0.28%/C									
Temperature Coefficients of Isc	0.048%/C									
Nominal Operating Cell Temperature : (NOCT)	45±2 C									

STC: ☀ Irradiance 1000W/m² 🌡 Cell Temperature 25°C ☁ AM=1.5
NOCT: ☀ Irradiance 800W/m² 🌡 Ambient Temperature 20°C ☁ AM=1.5 🌀 Wind Speed 1m/s

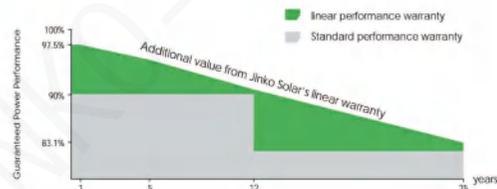


KEY FEATURES

-  **5 Busbar Solar Cell**
5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.
-  **High Efficiency**
Higher module conversion efficiency (up to 20.38%) benefit from half cell structure (low resistance characteristic).
-  **PID Resistance**
Excellent Anti-PID performance guarantee limited power degradation for mass production.
-  **Low-light Performance**
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.
-  **Severe Weather Resilience**
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).
-  **Durability Against Extreme Environmental Conditions**
High salt mist and ammonia resistance certified by TÜV NORD.

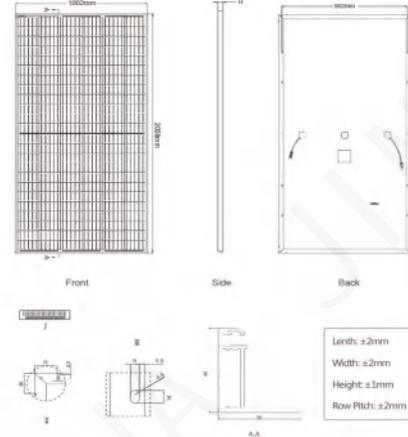
LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 25 Year Linear Power Warranty



- ISO9001:2015, ISO14001:2015, OHSAS18001 certified factory
- IEC61215, IEC61730, UL1703 certified product

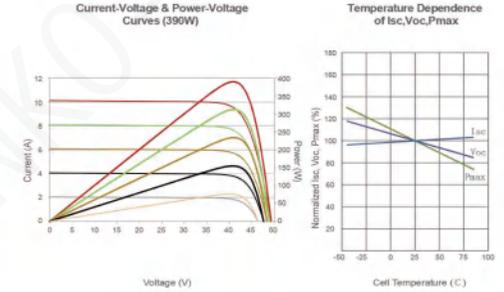
Engineering Drawings



Packaging Configuration

(Two pallets =One stack)
27pcs/pallet , 54pcs/stack, 594pcs/40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono PERC 158.75×158.75mm
No. of Half-cells	144 (6×24)
Dimensions	2008×1002×40mm (79.06×39.45×1.57 inch)
Weight	22.5 kg (49.6 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TUV 1x4.0mm ² , (+) 290mm, (-) 145mm or Customized Length

SPECIFICATIONS

Module Type	JKM390M-72H		JKM395M-72H		JKM400M-72H		JKM405M-72H		JKM410M-72H	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	390Wp	294Wp	395Wp	298Wp	400Wp	302Wp	405Wp	306Wp	410Wp	310Wp
Maximum Power Voltage (Vmp)	41.1V	39.1V	41.4V	39.3V	41.7V	39.6V	42.0V	39.8V	42.3V	40.0V
Maximum Power Current (Imp)	9.49A	7.54A	9.55A	7.60A	9.60A	7.66A	9.65A	7.72A	9.69A	7.76A
Open-circuit Voltage (Voc)	49.3V	48.0V	49.5V	48.2V	49.8V	48.5V	50.1V	48.7V	50.4V	48.9V
Short-circuit Current (Isc)	10.12A	8.02A	10.23A	8.09A	10.36A	8.16A	10.48A	8.22A	10.60A	8.26A
Module Efficiency STC (%)	19.38%		19.63%		19.88%		20.13%		20.38%	
Operating Temperature (°C)	-40°C~+85°C									
Maximum System Voltage	1000/1500VDC (IEC)									
Maximum Series Fuse Rating	20A									
Power Tolerance	0~+3%									
Temperature Coefficients of Pmax	-0.35%/°C									
Temperature Coefficients of Voc	-0.29%/°C									
Temperature Coefficients of Isc	0.048%/°C									
Nominal Operating Cell Temperature (NOCT)	45±2°C									

STC: ☀ Irradiance 1000W/m² 📦 Cell Temperature 25°C ☁ AM=1.5
NOCT: ☀ Irradiance 800W/m² 📦 Ambient Temperature 20°C ☁ AM=1.5 🌀 Wind Speed 1m/s

* Power measurement tolerance: ± 3%

Tiger N-Type 60TR

360-380 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



Multi Busbar Technology

MBB solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance.



PID Resistance

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



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



Hot 2.0 Technology

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

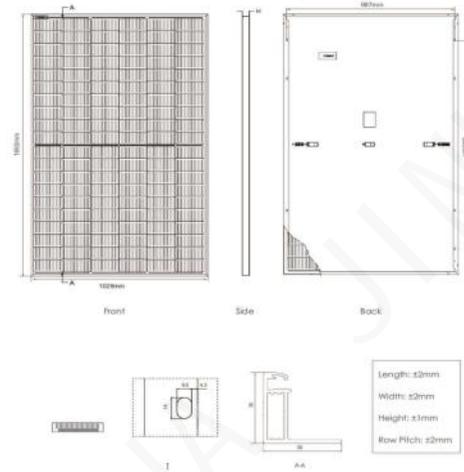


Enhanced Mechanical Load

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



Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	120 (6×20)
Dimensions	1692×1029×30mm (66.61×40.51×1.18 inch)
Weight	19.0 kg (41.89 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 ² (+): 290mm, (-): 145mm or Customized Length

Packaging Configuration

(Two pallets = One stack.)

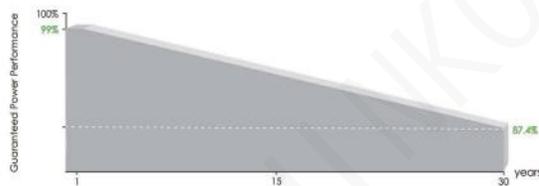
36pcs/pallets, 72pcs/stack, 936pcs/ 40'HQ Container

SPECIFICATIONS

Module Type	JKM360N-6TL3		JKM365N-6TL3		JKM370N-6TL3		JKM375N-6TL3		JKM380N-6TL3	
	JKM360N-6TL3-V	JKM365N-6TL3-V	JKM365N-6TL3-V	JKM365N-6TL3-V	JKM370N-6TL3-V	JKM370N-6TL3-V	JKM375N-6TL3-V	JKM375N-6TL3-V	JKM380N-6TL3-V	JKM380N-6TL3-V
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	360Wp	268Wp	365Wp	272Wp	370Wp	276Wp	375Wp	280Wp	380Wp	283Wp
Maximum Power Voltage (Vmp)	34.19V	31.58V	34.34V	31.72V	34.49V	31.88V	34.63V	32.03V	34.77V	32.20V
Maximum Power Current (Imp)	10.53A	8.50A	10.63A	8.58A	10.73A	8.65A	10.83A	8.73A	10.93A	8.80A
Open-circuit Voltage (Voc)	41.80V	39.45V	42.05V	39.69V	42.30V	39.93V	42.55V	40.16V	42.77V	40.37V
Short-circuit Current (Isc)	11.23A	9.07A	11.33A	9.15A	11.43A	9.23A	11.53A	9.31A	11.63A	9.39A
Module Efficiency STC (%)	20.66%		20.95%		21.24%		21.53%		21.81%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum System Voltage	1000/1500VDC (IEC)									
Maximum Series Fuse Rating	20A									
Power Tolerance	0~+3%									
Temperature Coefficients of Pmax	-0.34%/°C									
Temperature Coefficients of Voc	-0.26%/°C									
Temperature Coefficients of Isc	0.048%/°C									
Nominal Operating Cell Temperature (NOCT)	45±2°C									

*STC: ☀ Irradiance 1000W/m² 🌡 Cell Temperature 25°C ☁ AM=1.5
 NOCT: ☀ Irradiance 800W/m² 🌡 Ambient Temperature 20°C ☁ AM=1.5 🌬 Wind Speed 1m/s

LINEAR PERFORMANCE WARRANTY



15 Year Product Warranty

30 Year Linear Power Warranty

0.4% Annual Degradation Over 30 years

Tiger N-Type 60TR

355-375 Watt

MONO FACIAL ALL BLACK

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



Multi Busbar Technology

MBB solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance.



PID Resistance

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



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



Hot 2.0 Technology

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



Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

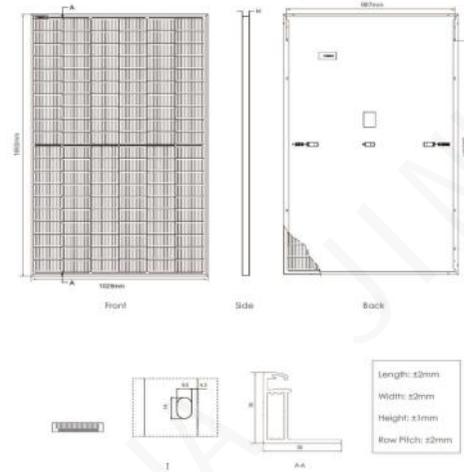


25 Year Product Warranty

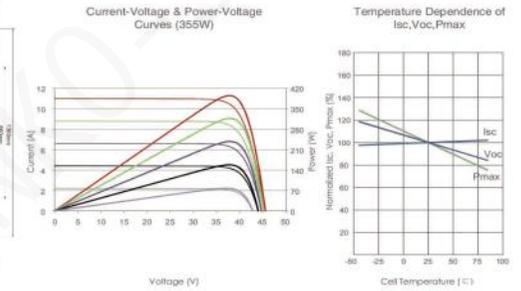
30 Year Linear Power Warranty

0.4% Annual Degradation Over 30 years

Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	120 (6×20)
Dimensions	1692×1029×30mm (66.61×40.51×1.18 inch)
Weight	19.0 kg (41.89 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 ² (+): 290mm, (-): 145mm or Customized Length

Packaging Configuration

(Two pallets = One stack.)

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

SPECIFICATIONS

Module Type	JKM355N-6TL3-B		JKM360N-6TL3-B		JKM365N-6TL3-B		JKM370N-6TL3-B		JKM375N-6TL3-B	
	STC	NOCT								
Maximum Power (Pmax)	355Wp	265Wp	360Wp	268Wp	365Wp	272Wp	370Wp	276Wp	375Wp	280Wp
Maximum Power Voltage (Vmp)	34.30V	31.74V	34.49V	31.88V	34.67V	32.02V	34.84V	32.15V	35.02V	32.29V
Maximum Power Current (Imp)	10.35A	8.34A	10.44A	8.42A	10.53A	8.50A	10.62A	8.58A	10.71A	8.66A
Open-circuit Voltage (Voc)	41.92V	39.57V	42.11V	39.75V	42.29V	39.92V	42.48V	40.09V	42.67V	40.27V
Short-circuit Current (Isc)	10.93A	8.83A	11.02A	8.90A	11.11A	8.97A	11.20A	9.05A	11.29A	9.12A
Module Efficiency STC (%)	20.38%		20.66%		20.95%		21.24%		21.53%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum System Voltage	1000VDC (IEC)									
Maximum Series Fuse Rating	20A									
Power Tolerance	0~+3%									
Temperature Coefficients of Pmax	-0.34%/°C									
Temperature Coefficients of Voc	-0.28%/°C									
Temperature Coefficients of Isc	0.048%/°C									
Nominal Operating Cell Temperature (NOCT)	45±2°C									

*STC: ☀ Irradiance 1000W/m² 🌡 Cell Temperature 25°C ☁ AM=1.5
NOCT: ☀ Irradiance 800W/m² 🌡 Ambient Temperature 20°C ☁ AM=1.5 🌬 Wind Speed 1m/s

Cheetah HC 60MB

320-340 Watt

MONO PERC HALF CELL MODULE

Positive power tolerance of 0~+3%

- Half Cell
- Mono PERC 60 Cell

(Made in China)

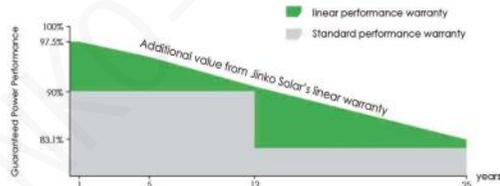



KEY FEATURES

- 
5 Busbar Solar Cell
 5 busbar solar cell adopts new technology to improve the efficiency of modules , offers a better aesthetic appearance, making it perfect for rooftop installation.
- 
High Efficiency
 Higher module conversion efficiency (up to 20.16%) benefit from half cell structure (low resistance characteristic).
- 
PID Resistance
 Excellent Anti-PID performance guarantee limited power degradation for mass production.
- 
Low-light Performance
 Advanced glass and cell surface textured design ensure excellent performance in low-light environment.
- 
Severe Weather Resilience
 Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).
- 
Durability Against Extreme Environmental Conditions
 High salt mist and ammonia resistance certified by TUV NORD.

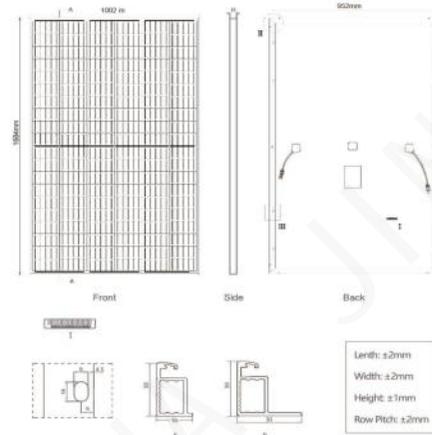
LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 25 Year Linear Power Warranty



- ISO9001:2015, ISO14001:2015, ISO45001:2018 certified factory
- IEC61215, IEC61730, UL1703 certified product

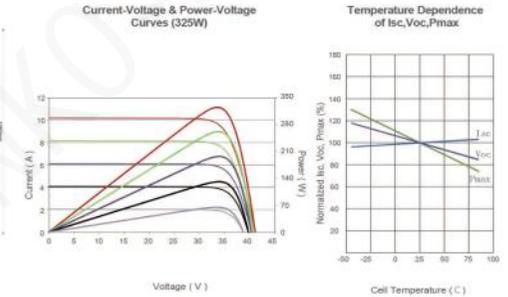
Engineering Drawings



Packaging Configuration

(Two pallets = One stack)
 35pcs/pallet, 70pcs/stack, 910pcs/40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono PERC 158.75×158.75mm
No. of Half-cells	120 (6×20)
Dimensions	1684×1002×30mm (66.30×39.45×1.18 inch)
Weight	18.5 kg (40.8 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TUV 1x4.0mm ² , (+) 290mm, (-) 145mm or Customized Length.

SPECIFICATIONS

Module Type	JKM320M-60HB		JKM325M-60HB		JKM330M-60HB		JKM335M-60HB		JKM340M-60HB	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	320Wp	236Wp	325Wp	239Wp	330Wp	243Wp	335Wp	247Wp	340Wp	250Wp
Maximum Power Voltage (Vmp)	33.16V	30.4V	33.37V	30.6V	33.54V	30.7V	33.74V	30.9V	33.93V	31.5V
Maximum Power Current (Imp)	9.65A	7.74A	9.74A	7.82A	9.84A	7.9A	9.93A	7.98A	10.02A	8.06A
Open-circuit Voltage (Voc)	40.2V	37.9V	40.4V	38.1V	40.6V	38.2V	40.8V	38.4V	41.00V	38.62V
Short-circuit Current (Isc)	10.31A	8.33A	10.50A	8.48A	10.61A	8.57A	10.73A	8.67A	10.82A	8.74A
Module Efficiency STC (%)	18.96%		19.26%		19.56%		19.86%		20.16%	
Operating Temperature (°C)	-40°C~+85°C									
Maximum System Voltage	1000VDC (IEC)									
Maximum Series Fuse Rating	20A									
Power Tolerance	0~+3%									
Temperature Coefficients of Pmax	-0.35%/°C									
Temperature Coefficients of Voc	-0.28%/°C									
Temperature Coefficients of Isc	0.048%/°C									
Nominal Operating Cell Temperature (NOCT)	45±2°C									

STC: ☀ Irradiance 1000W/m² 🏠 Cell Temperature 25°C ☁ AM=1.5

NOCT: ☀ Irradiance 800W/m² 🏠 Ambient Temperature 20°C ☁ AM=1.5 🌬 Wind Speed 1m/s

* Power measurement tolerance: ± 3%