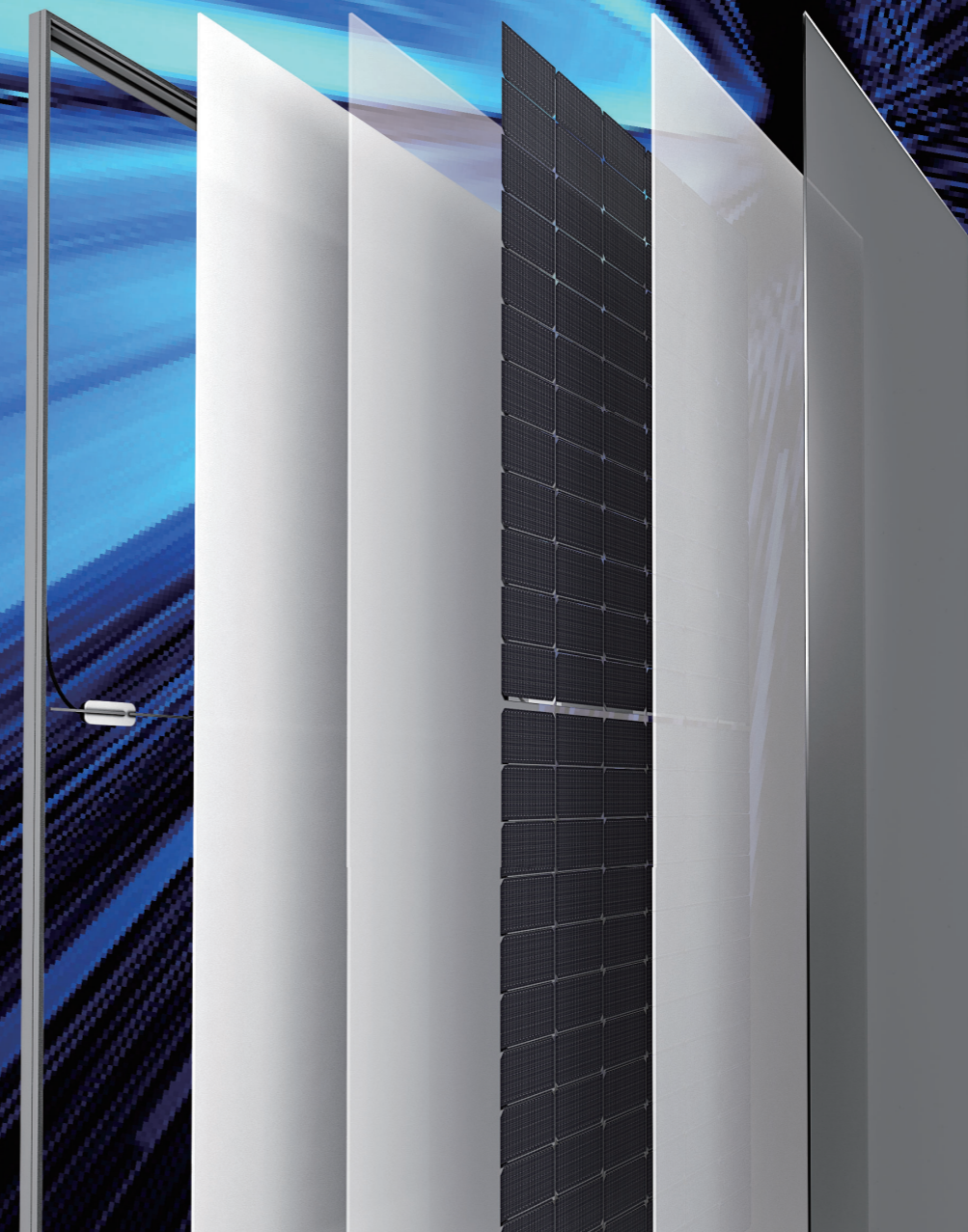


Product Catalogue 2023



Building Your Trust in Solar

www.jinkosolar.com

Table of Contents

1. Jinko's Brand Advantages
2. Jinko Technology
 - a. Half-Cell (HC) Technology
 - b. Multi- Busbar (MBB) Technology
 - c. Bifacial Technology
 - d. Tiling Ribbon Technology
 - e. N-Type Technology
3. Jinko Products
 - a. Tiger Pro Series
 - b. Tiger Neo Series
4. Jinko Smart Storage System
5. Jinko BIPV Products

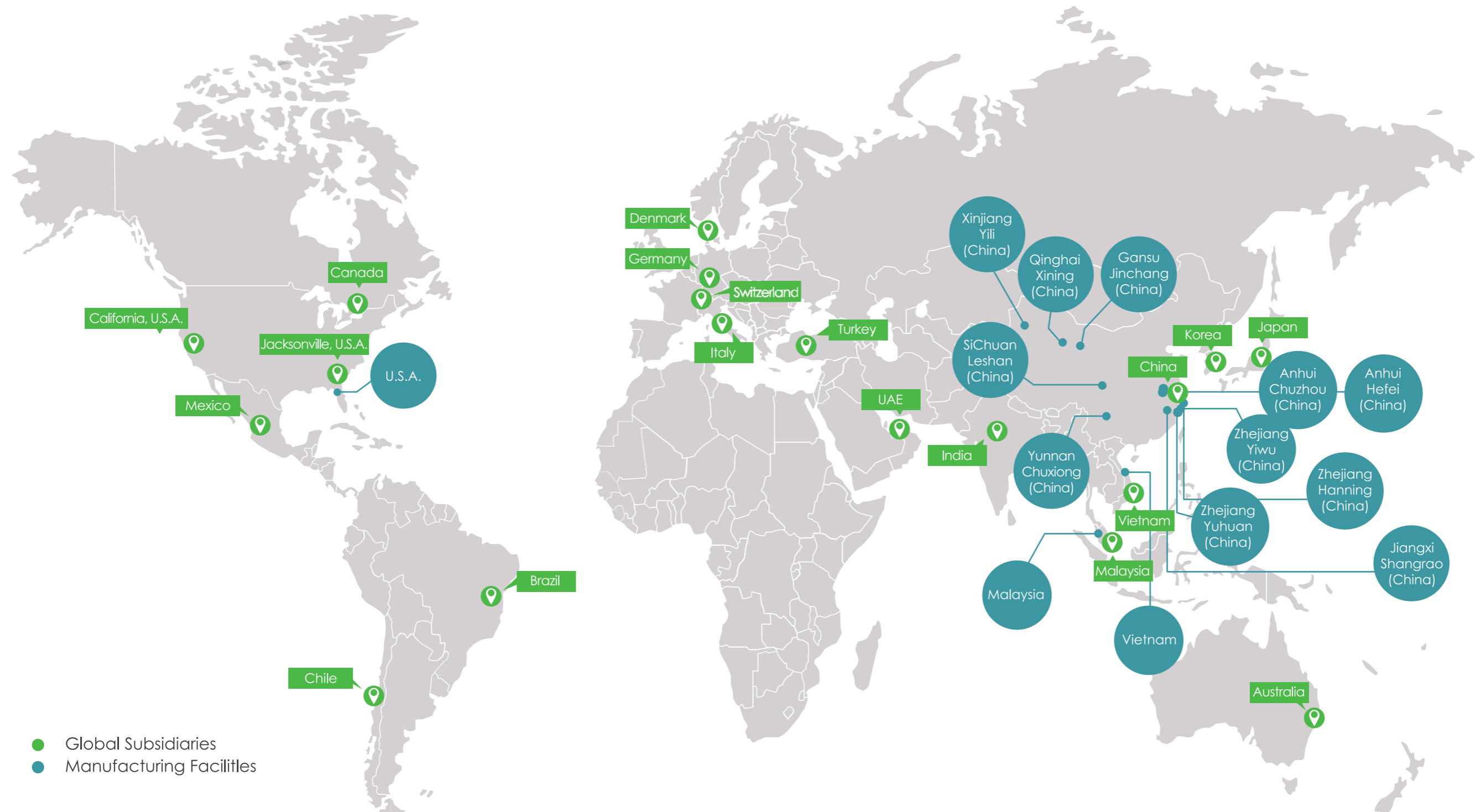


About Jinko Solar

Jinko Solar Co., Ltd. (the "Company", or "Jinko Solar") (SSE: 688223) is one of the most famous and innovative solar technology companies in the world. Its business covers the core links of the photovoltaic industry chain, focusing on the R&D of integrated photovoltaic products and integrated clean energy solutions. At present, Jinko Solar's products serve more than 3,000 customers in more than 160 countries and regions around the world, and the company has ranked No.1 in global module shipments from 2016 to 2019. By the end of 2022, the cumulative module shipments of Jinko Solar have exceeded 130GW. Jinko Solar is an industry opinion leader under various international frameworks such as B20, and it is also one of the first solar energy companies to join the RE100 green initiative.


Jinko Solar is the first company to establish a "vertically integrated" production capacity from silicon material processing to wafer, cell and module production in the industry. It has a total of 14 global production bases in China, the United States, Malaysia and Vietnam. As of Q4 2022, the company's effective production capacity of monocrystalline silicon wafers, cells and modules reach 65GW, 55GW and 70GW respectively. Jinko Solar has more than 1,000 R&D and technical employees and has won many honors such as "National Enterprise Technology Center", "National Technology Innovation Demonstration Enterprise", "Champion of Manufacturing", and has formulated many international and domestic industry standards such as IEC. Jinko Solar continuously expands the diversified application scenarios of photovoltaic technology, including building-integrated photovoltaic, photovoltaic hydrogen production, energy storage and other fields, and strives to create a new energy ecosystem.


Jinko Solar was listed on the STAR Board of the Shanghai Stock Exchange in 2022, and JinkoSolar Holding Co., Ltd., its indirect controlling shareholder, was listed on the New York Stock Exchange in 2010.



R&D By the Numbers

Despite the increasingly complex and difficult challenge to continue achieving Moore's Law, which calls for a 10 watt output enhancement every half year, JinkoSolar has invested the necessary resources in R&D to achieve first-to-market leading technologies, which give customers the edge needed to build successful projects.

 **1265**
Authorized Patents

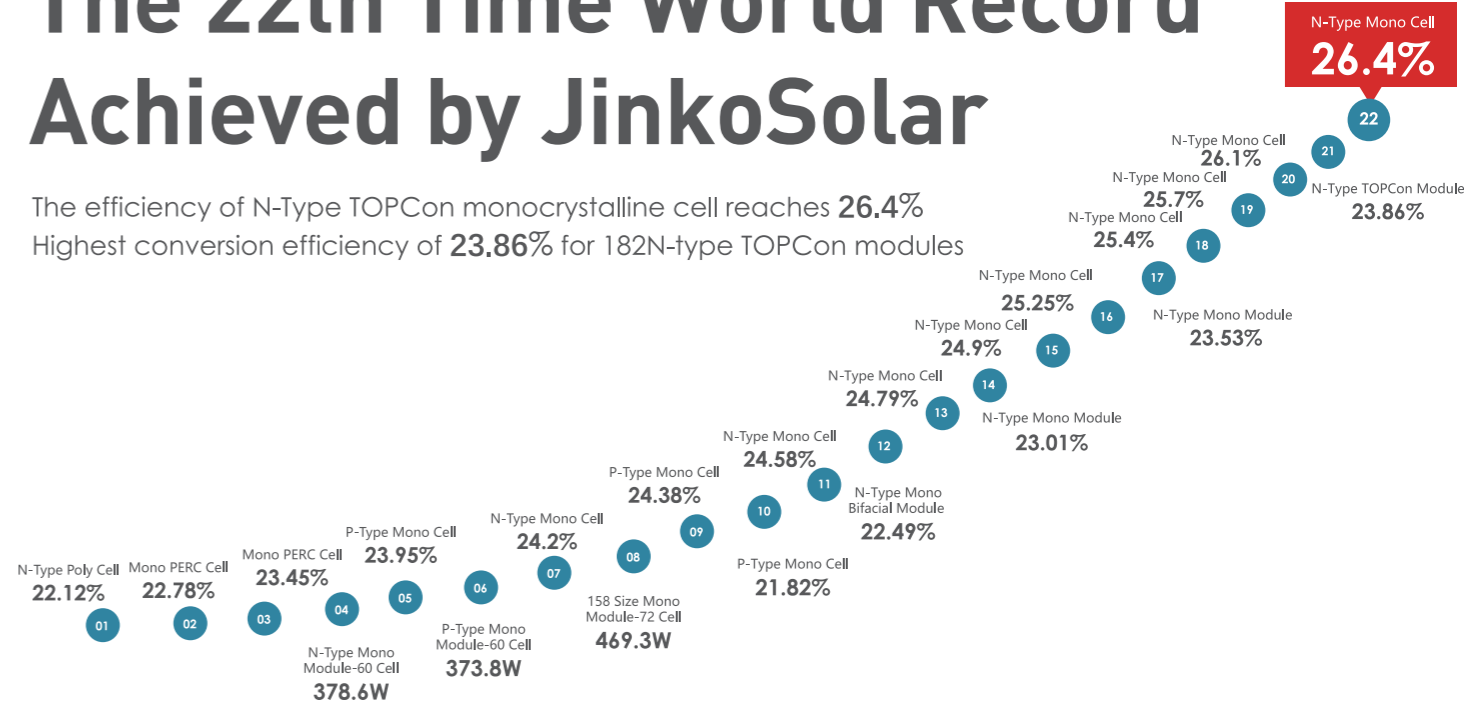
 Applied for
253 Patents

 R&D Team
1395

 R&D Investments
2.637 Billion

The 22th Time World Record Achieved by JinkoSolar

The efficiency of N-Type TOPCon monocrystalline cell reaches **26.4%**
Highest conversion efficiency of **23.86%** for 182N-type TOPCon modules



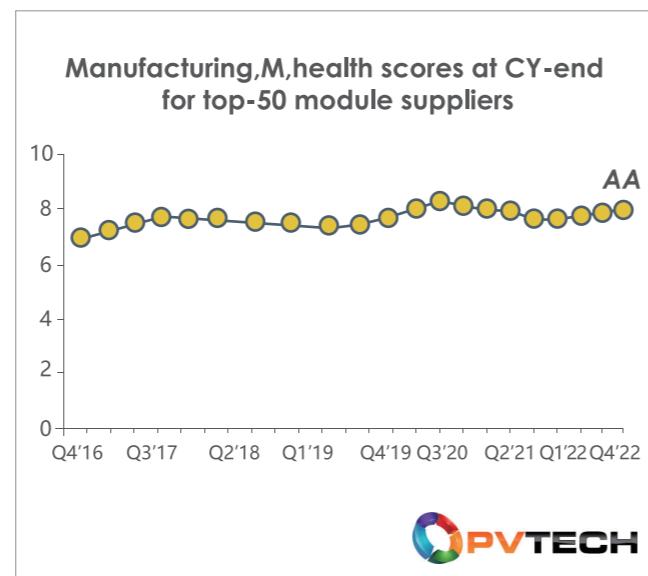
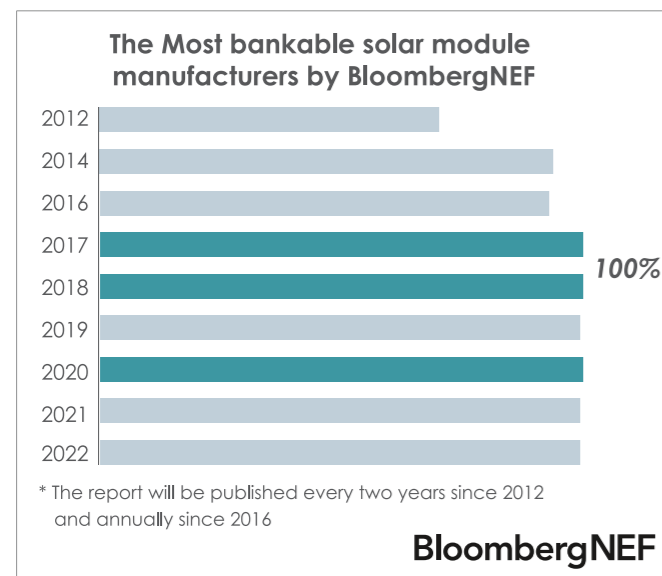
Robust Quality Certified

In 2021, JinkoSolar again ranks as a „Top Performer“ in the DNV-GL PV Module Reliability Scorecard, for seventh consecutive year. The Company has also won the All Quality Matters Award from TÜV Rheinland for the fifth time, ranking first in testing conducted for the mono group.

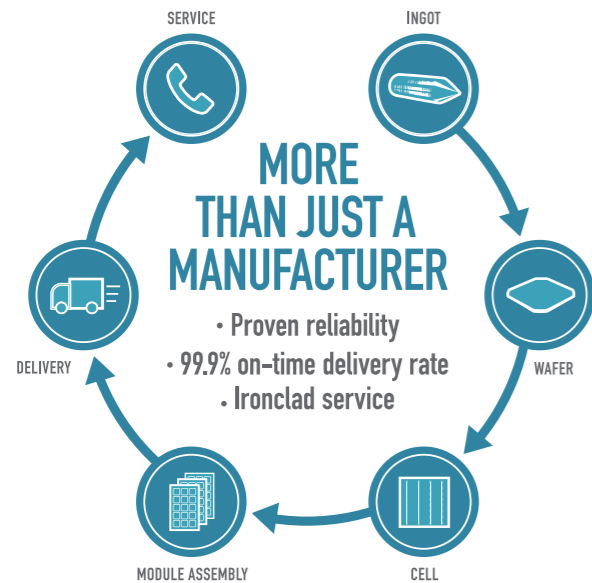
Jinko has been awarded with the “Top Brand PV Europe Seal 2020” by EuPD Research for the second time in two consecutive years. EuPD Research awards Top PV seals based on its Global PV Installer Monitor Survey which compiles the opinions of solar installers from leading solar markets. In addition, JinkoSolar was also awarded 'Top Brand PV Australia Seal 2020' for the third consecutive year and in MENA region.

Long History of Bankability

Ranked as Top Solar Brand used in Debt Financed Projects and Most “Bankable” PV Manufacturer by Bloomberg New Energy Finance. 100% of the BNEF survey respondents considered JinkoSolar as highly bankable.



The Efficient and Resilient Supply Chain



JinkoSolar's flexibility in assuring sufficient supply for a diverse customer base, delivering on-time, providing in-house technical service, customizing its product to optimize customers' investment performance ratio, and making manufacturing excellence are JinkoSolar's core values.

Technology Innovation



JinkoSolar's has been globally recognized as a global module manufacturer and technology leader. In 2019 JinkoSolar won the Intersolar Award 2019 in the Photovoltaics category for its bifacial module with transparent backsheet from DuPont.

In 2020, JinkoSolar was qualified as a Finalist of the Intersolar Award with its Tiger N-type module. The Intersolar Award is presented annually to companies making a substantial contribution to the success of the industry, honoring technological innovations and groundbreaking solutions using photovoltaic-related technologies.

In 2020, JinkoSolar was awarded with pv magazine Award in Module Category for Tiger 475Wp.



- Half-Cell (HC) Technology
- Multi-Busbar Technology
- Bifacial Technology
- Tiling Ribbon Technology
- N-type Technology

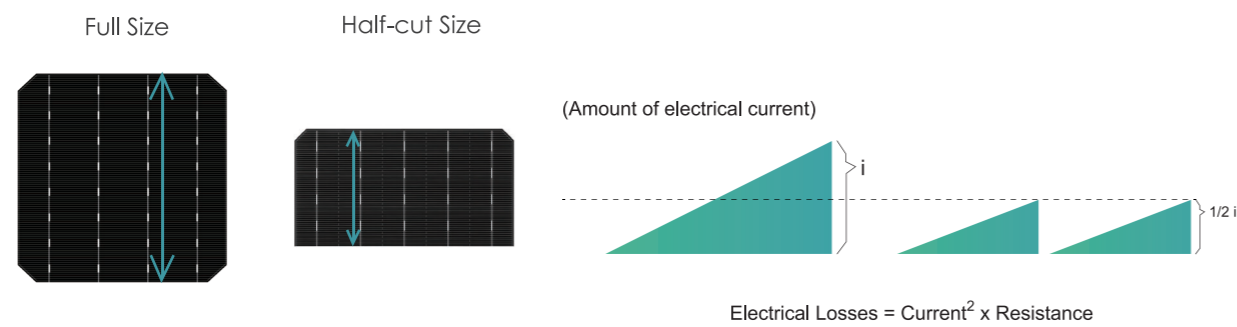
TECHNOLOGY

Half-Cell (HC) Technology

Lower Energy Losses

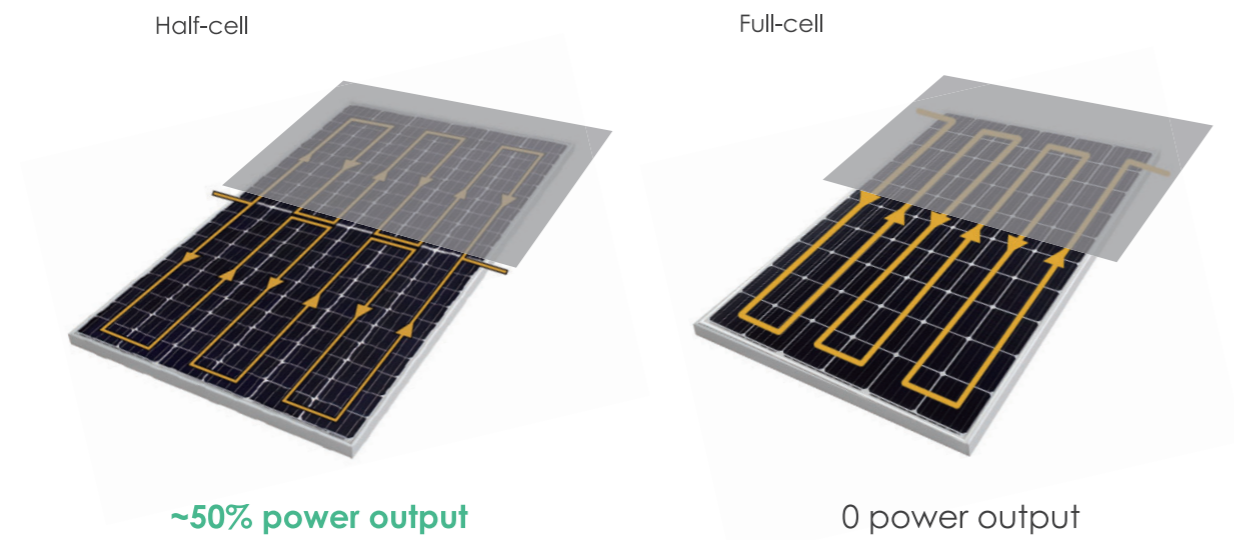
By using half-cells, the electrical current (i) flowing in each busbar is halved.

Therefore, the amount of internal losses in a half-cut module is 1/4 of a full-sized cell module.



Lower Shading Loss

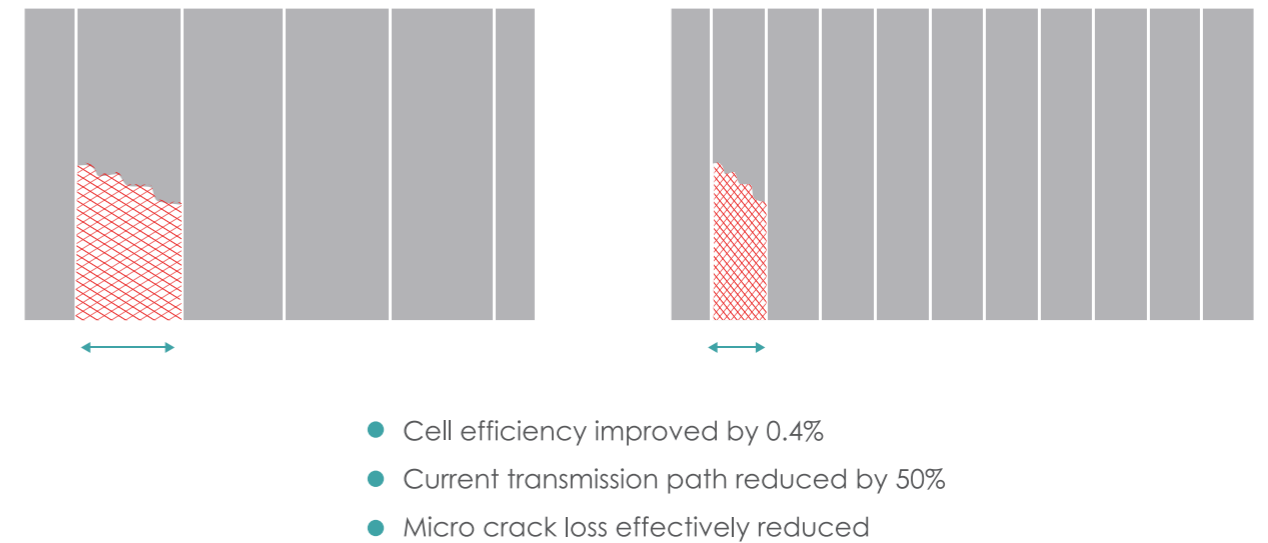
Shading loss of half-cell is improved compared to a regular module in specific shading conditions.



Multi-Busbar Technology

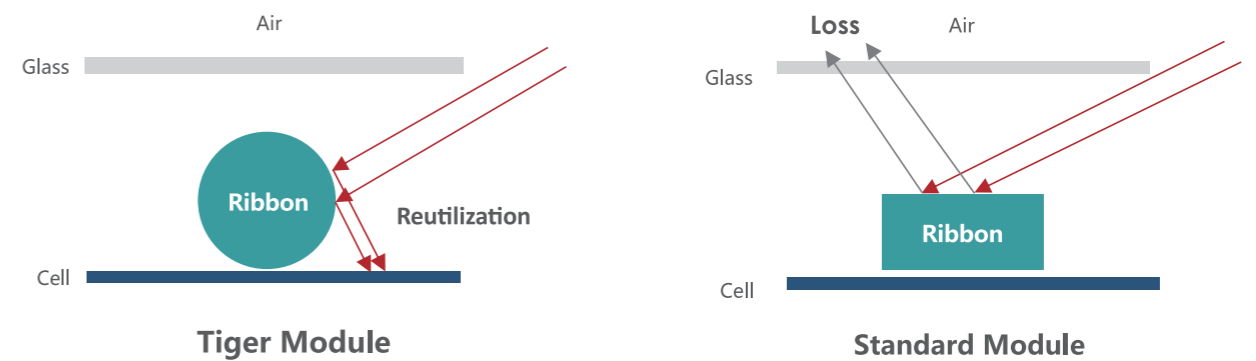
Lower Microcrack Loss

Compared with traditional 5BB modules, current transmission distance is 50% lower, which decreases the resistance and current loss.



Circular Ribbon Brings More Energy

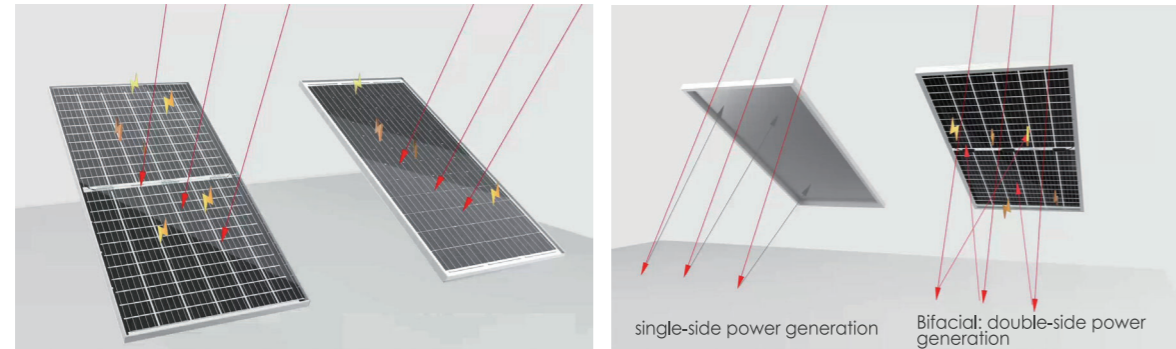
Comparing with 5BB, Jinko modules use circular ribbon which is developed by Jinko R&D independently to achieve the reutilization of light absorption and increase energy generation.



- The utilization of light significantly improved
- Power generation performance through oblique incidence greatly improved

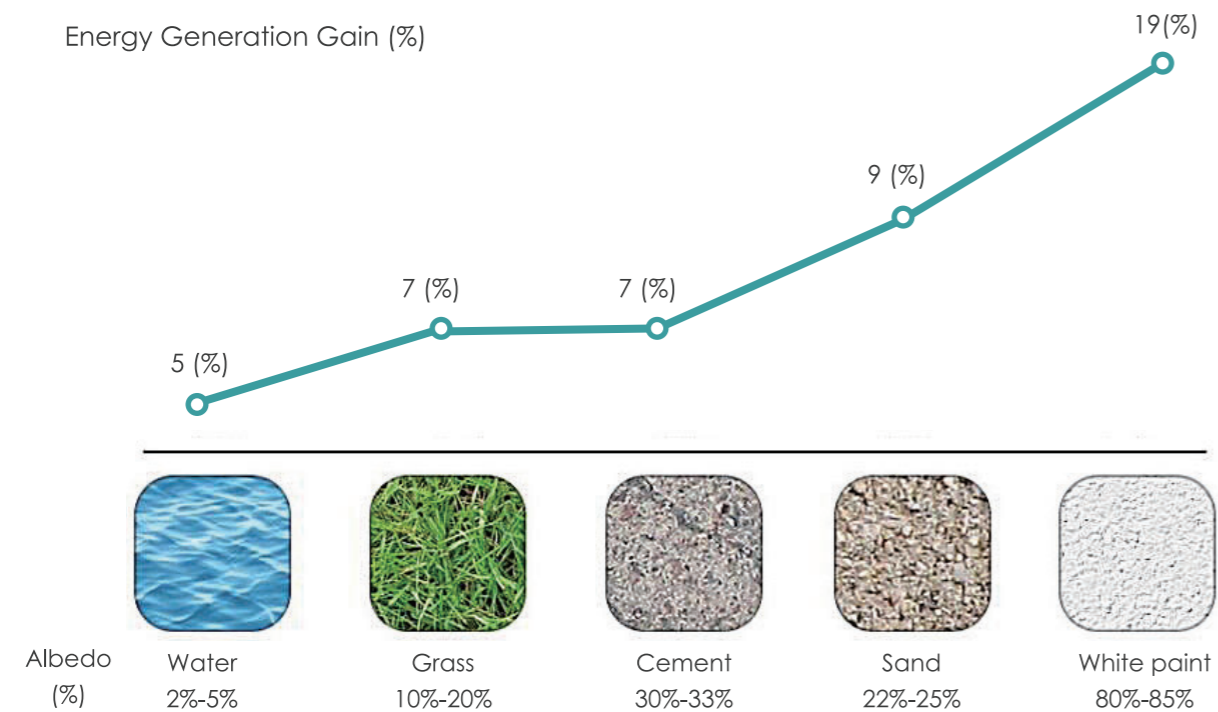
Bifacial Technology

Maximized Energy Generation

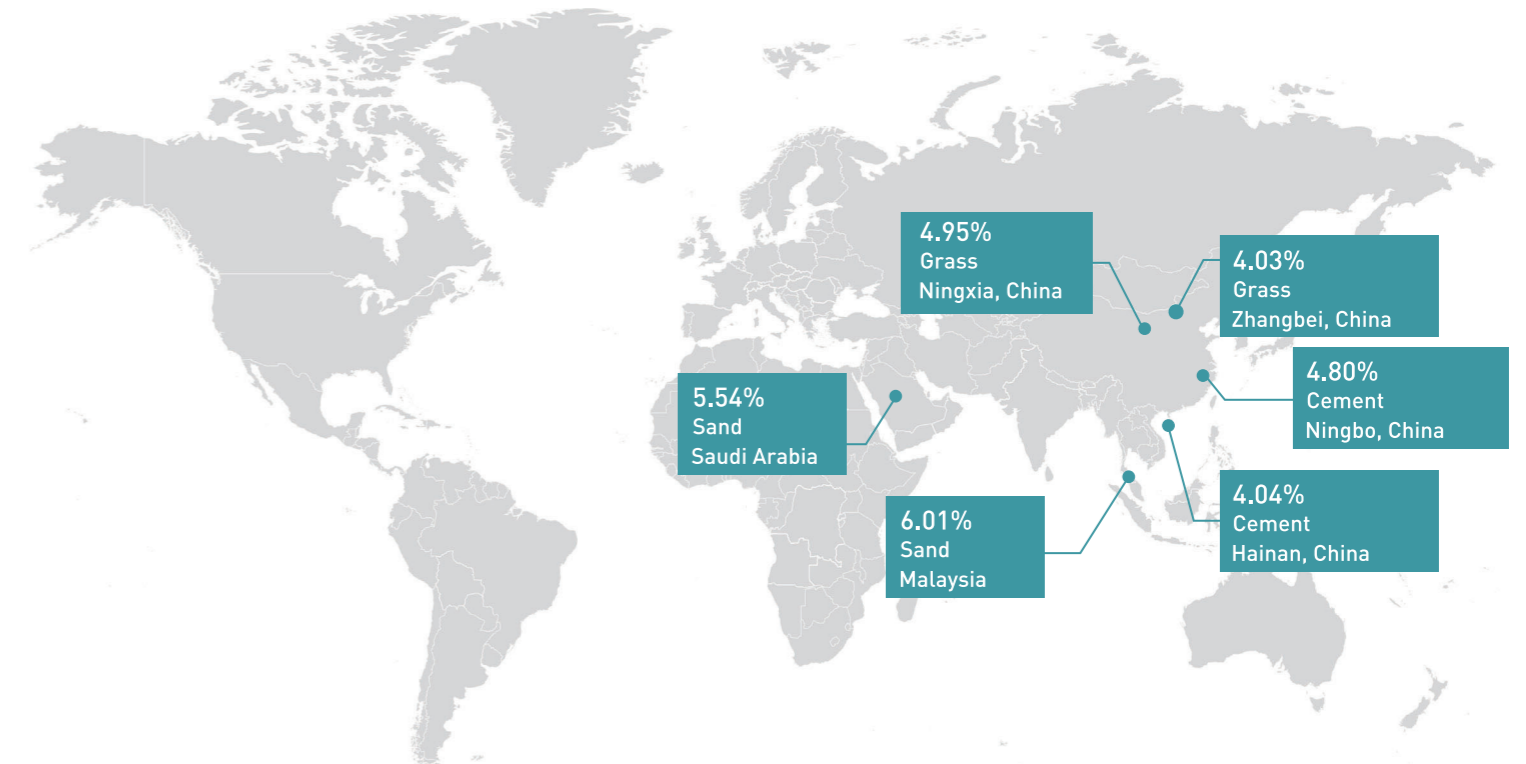


Up to 25% power gain depending on albedo and PV system design

Real Energy Generation Gain



Project data Support — Tiger Neo global field project

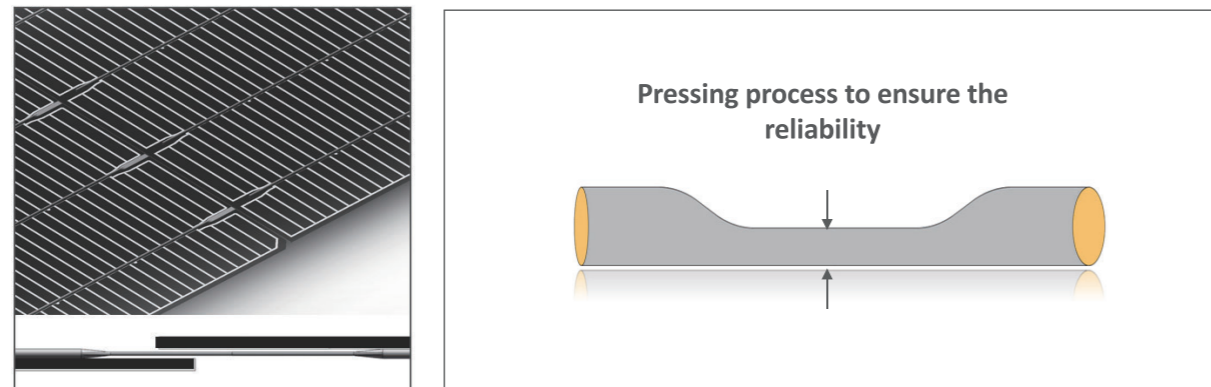


Loaction	Test Performer	Types of Ground	Type of Installation	Module Type	Test Type	Test Duration	Bifacial Gain
Ningxia, China	CPVT	Grass	Fixed	182-72N-Dual Glass 182-72P-Dual Glass	String	2022.9.01 - 2022.11.30	4.95%
Zhangbei, China	CGC	Grass	Tracker	182-72N-Dual Glass 182-72P-Dual Glass	String	2022.7.11 - 2023.1.11	4.03%
Ningbo, China	CAS	Cement	Tracker	182-72N-Dual Glass 182-72P-Dual Glass	String	2022.6.26 - 2022.10.16	4.80%
Hainan, China	CGC	Cement	Fixed	182-72N-Dual Glass 182-72P-Dual Glass	String	2022.8.01 - 2022.1.15	4.04%
Saudi Arabia	TUV Rheinland	Sand	Fixed	182-72N-Dual Glass 182-72P-Dual Glass 210-72P-Dual Glass	Module	2022.6.01 - 2022.9.30	5.54%
Malaysia	TUV Nord	Sand	Fixed	182-72N-Dual Glass 182-72P-Dual Glass 210-72P-Dual Glass	Module	2022.12.01 - 2022.12.31	6.01%

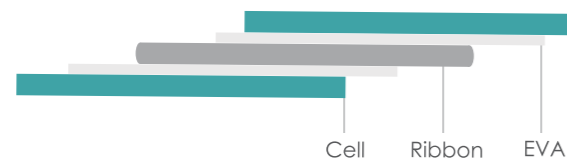
Tiling Ribbon Technology

Pressing Process to Ensure the Reliability

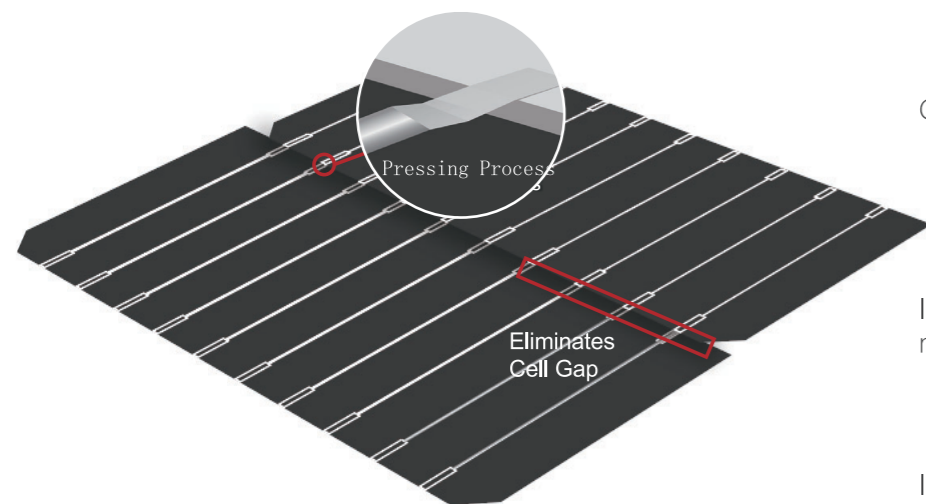
Comparing with 5BB modules, Jinko circular ribbon has better suppleness, after the pressing process, it performs excellent reliability.



Structure diagram of overlapping area



According to the experiment, specially made EVA/POE will fill the overlapping region that gives excellent buffering effect to ensure the reliability.



Cell Gap **-0.3-0.5mm**

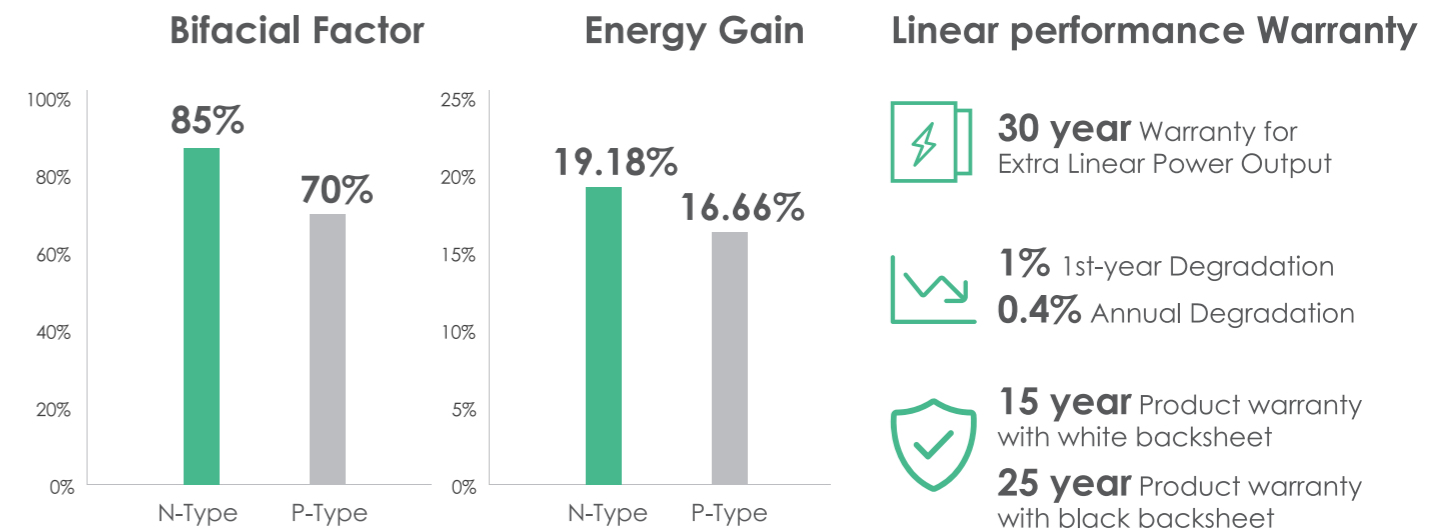
Increased module efficiency **0.4%**

Increased energy production **1.57%**

N-type Technology

Compared with P-type products, N-type cells applied with different doping technology perform better in power degradation. The significant increase of bi-facial factor and the optimization of operating temperature also bring higher power gain. When it comes to the LCOE value, the analysis result has been markedly reduced compared with traditional P-type modules.

Higher bifacial factor = Higher energy generation compared with P-type



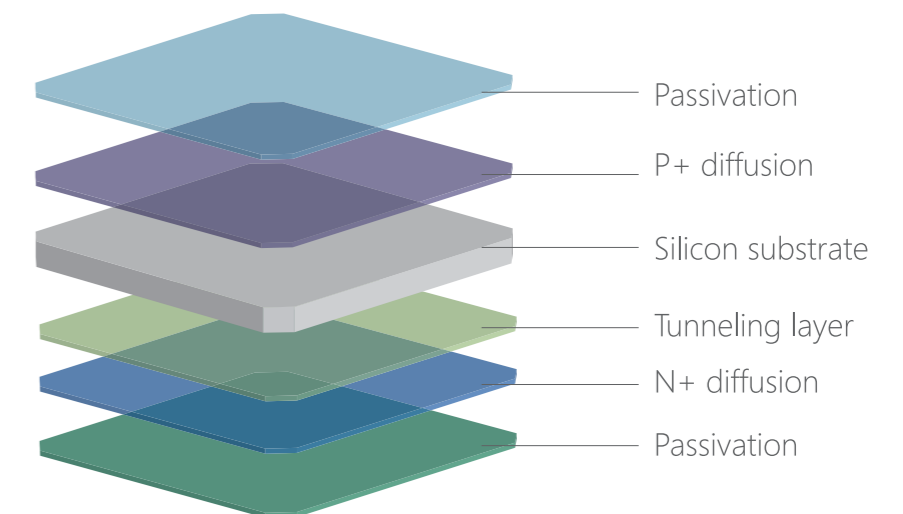
*Module level field test results, sand ground, 2P tracker, Hainan province, China

HOT 2.0 Technology

The efficient passivation contact technology is applied in HOT 2.0 cells, which updates the Micro-nano tunneling through the oxide layer and carrier selective lamination of microcrystalline silicon thin films on the rear side. This advanced structure contributes to better passivation performance and electrical conductivity, increasing the cell efficiency and power generation performance. Under the mass production condition, the N-type HOT2.0 cell's maximum efficiency is close to 25.1% and has a broad application prospect in the near future.

26.4%
Cell efi. world record

25.1%
Mass production Cell efi.



TIGER Neo Series



Designed for
residential
commercial
Utility

Completes System and Product Certifications

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018: Occupational health and safety management systems



Customer Benefits



SMBB Technology



Hot 2.0 Technology



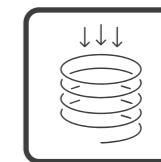
Higher Lifetime Power Yield



Saving BOS Cost



Higher power output



Severe Weather Resilience



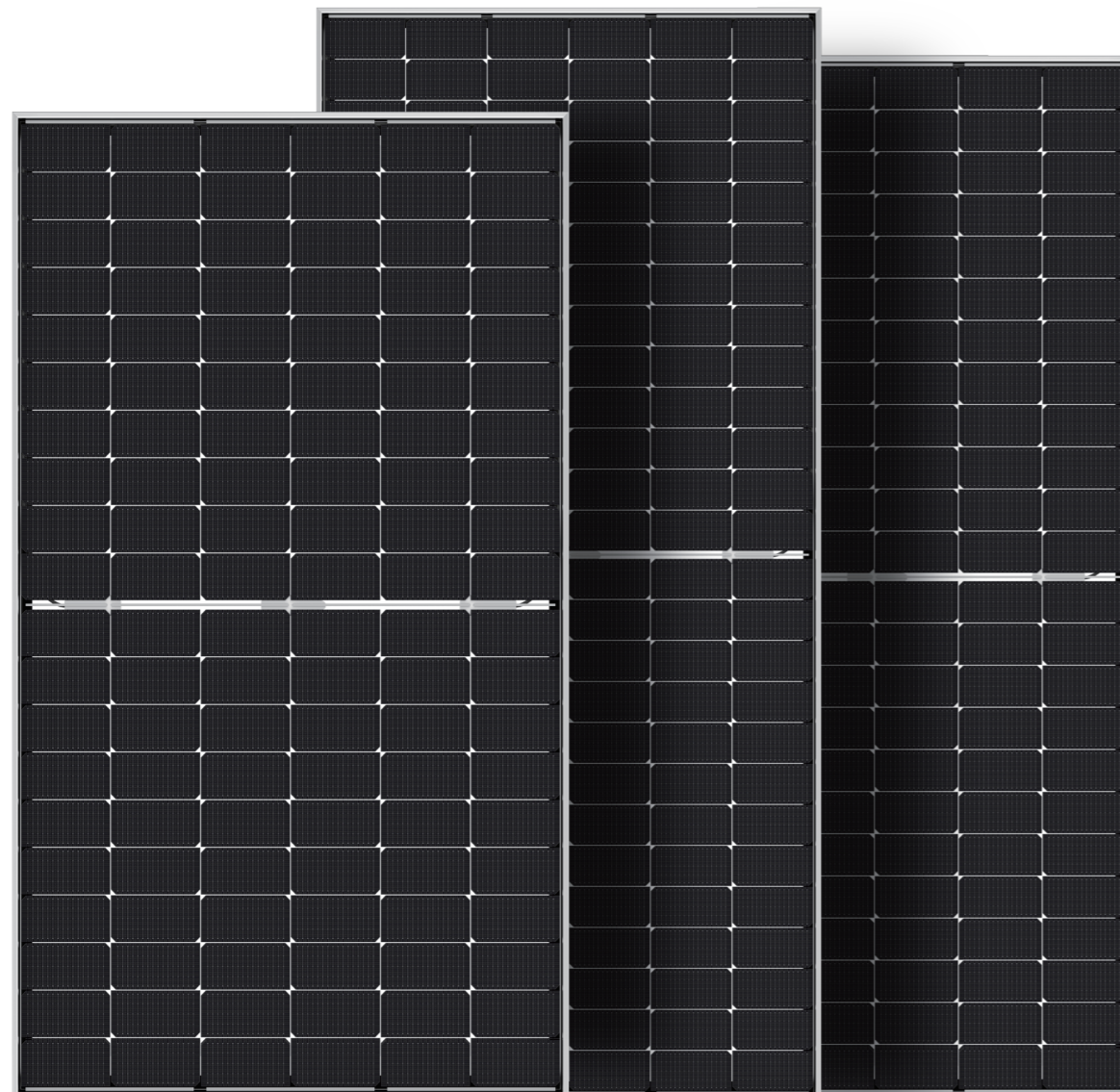
Low-light Performance



Durability Against Extreme Environmental Conditions



High Efficiency



Product	# of cells	Size/Weight
JKM460-480N-60HL4-(V)	60 cells	1903×1134×30mm / 24.2kg
JKM565-585N-72HL4-(V)	72 cells	2278×1134×35mm / 28.0kg
JKM560-580N-72HL4-BDV	72 cells	2278×1134×30mm / 32.0kg
JKM610-630N-78HL4-(V)	78 cells	2465×1134×35mm / 30.6kg
JKM605-625N-78HL4-BDV	78 cells	2465×1134×30mm / 34.6kg
JKM420-440N-54HL4R-B	54 cells	1762×1134×30mm / 22.0kg
JKM425-445N-54HL4R-(V)	54 cells	1762×1134×30mm / 22.0kg
JKM575-595N-72HL4R-(V)	72 cells	2335×1134×35mm / 28.5kg
JKM570-590N-72HL4R-BDV	72 cells	2335×1134×30mm / 33.0kg

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).

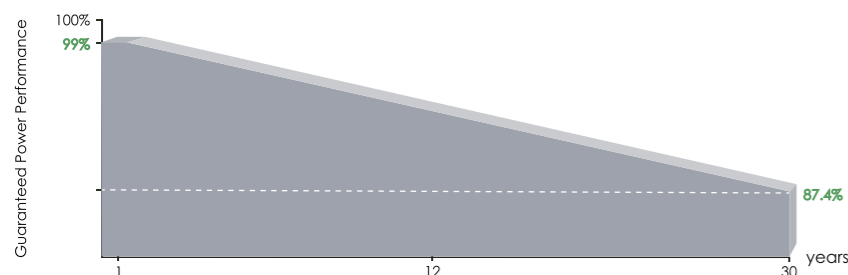


Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



LINEAR PERFORMANCE WARRANTY

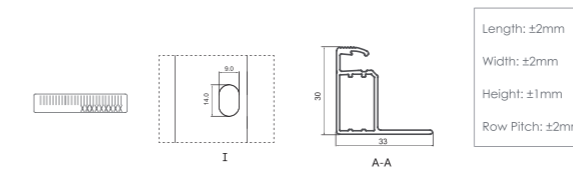
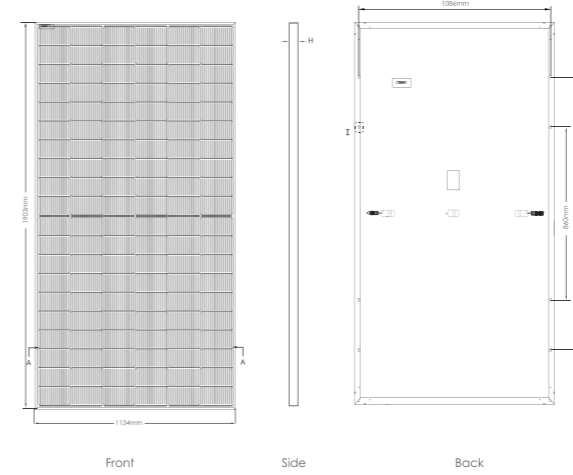


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings

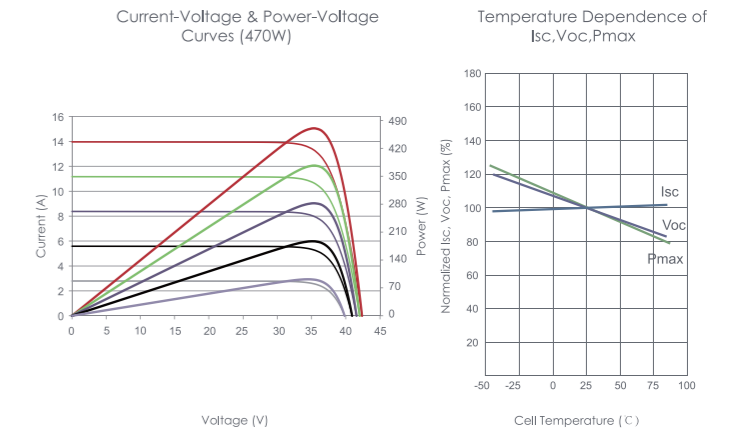


Packaging Configuration

(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 (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' (+): 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 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.



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).

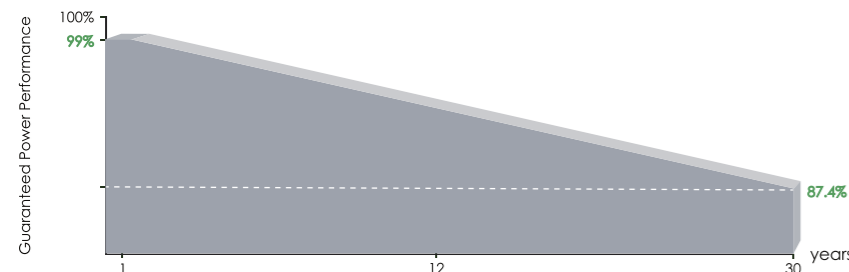


Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



LINEAR PERFORMANCE WARRANTY

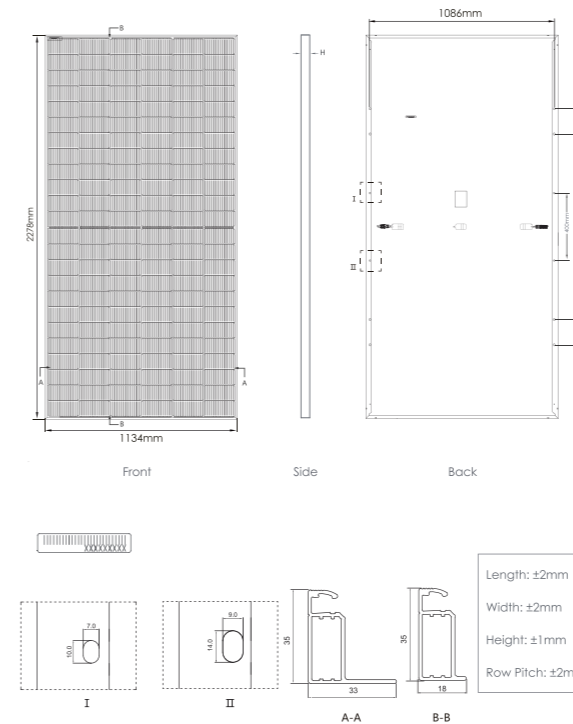


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings

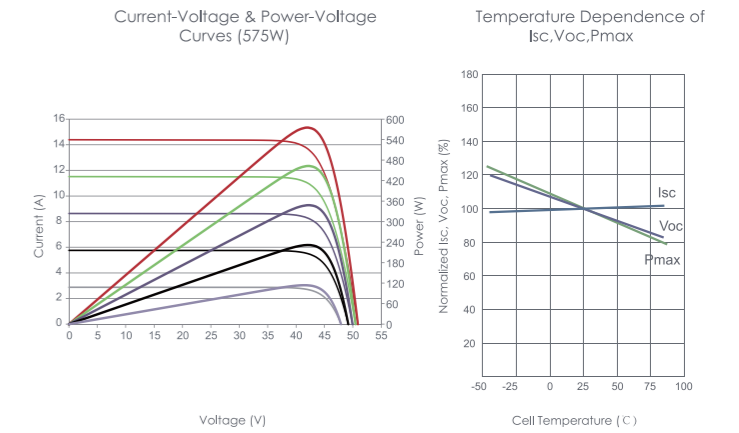


Packaging Configuration

(Two pallets = One stack)

31pcs/pallets, 62pcs/stack, 620pcs/ 40'HQ 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	JKM565N-72HL4-V	JKM570N-72HL4	JKM570N-72HL4-V	JKM575N-72HL4	JKM575N-72HL4-V	JKM580N-72HL4	JKM580N-72HL4-V	JKM585N-72HL4	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

Tiger Neo N-type 72HL4-BDV 560-580 Watt BIFACIAL MODULE WITH DUAL GLASS

N-Type

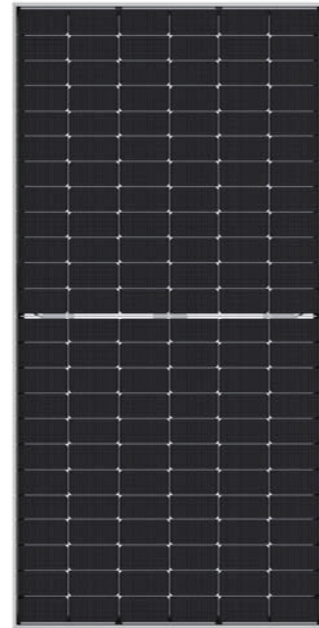
Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)

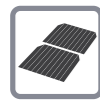
ISO9001:2015: Quality Management System

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.



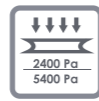
Higher Power Output

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.

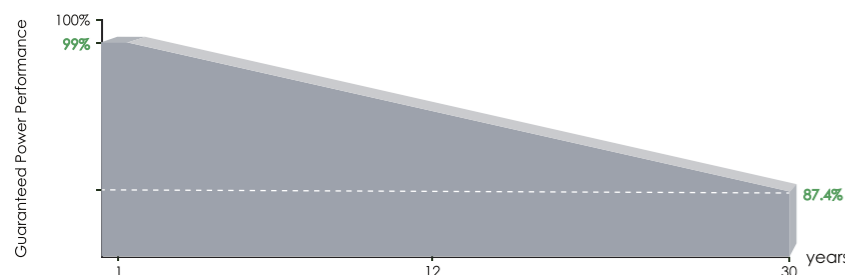


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

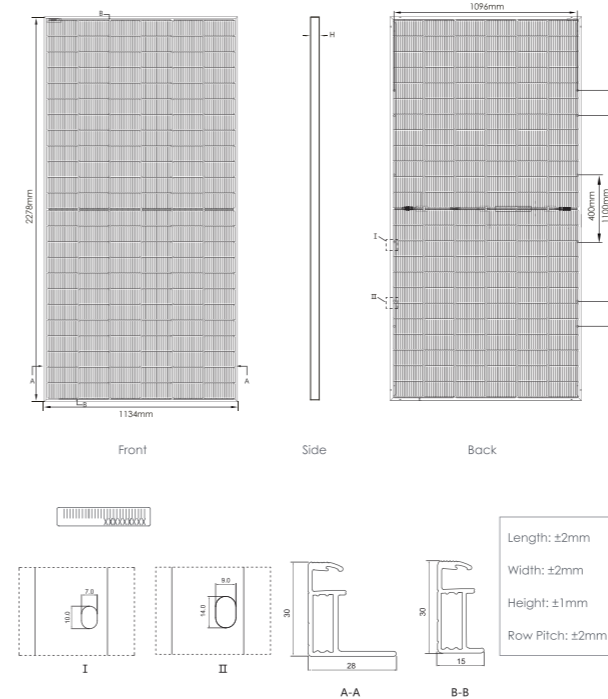


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings

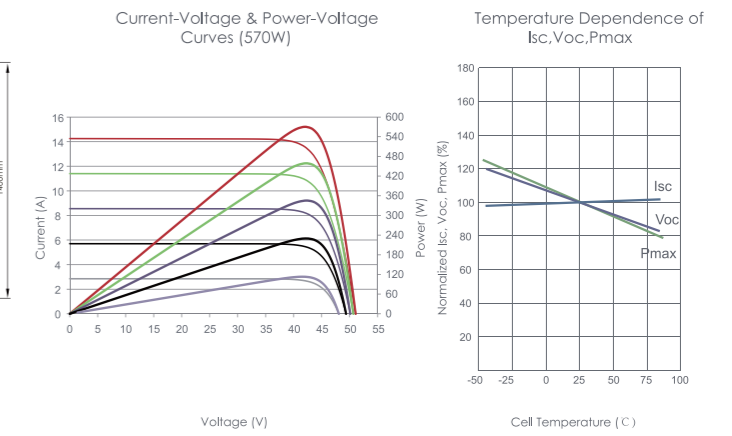


Packaging Configuration

(Two pallets = One stack)

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

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	144 (2×72)
Dimensions	2278×1134×30mm (89.69×44.65×1.18 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 1×4.0mm 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	STC	NOCT	STC	NOCT	STC	NOCT	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%	Maximum Power (Pmax)	588Wp	593Wp	599Wp	604Wp	609Wp
	Module Efficiency STC (%)	22.77%	22.97%	23.17%	23.37%	23.57%
15%	Maximum Power (Pmax)	644Wp	650Wp	656Wp	661Wp	667Wp
	Module Efficiency STC (%)	24.93%	25.15%	25.37%	25.60%	25.82%
25%	Maximum Power (Pmax)	700Wp	706Wp	713Wp	719Wp	725Wp
	Module Efficiency STC (%)	27.10%	27.34%	27.58%	27.82%	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 Neo N-type 78HL4-(V) 610-630 Watt MONO-FACIAL MODULE

N-Type

Positive power tolerance of 0~+3%

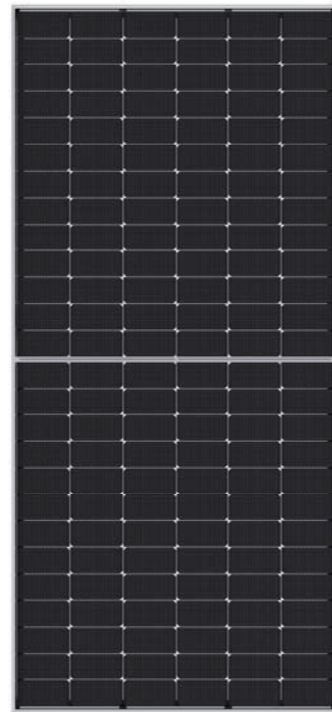
IEC61215(2016), IEC61730(2016)

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.



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).

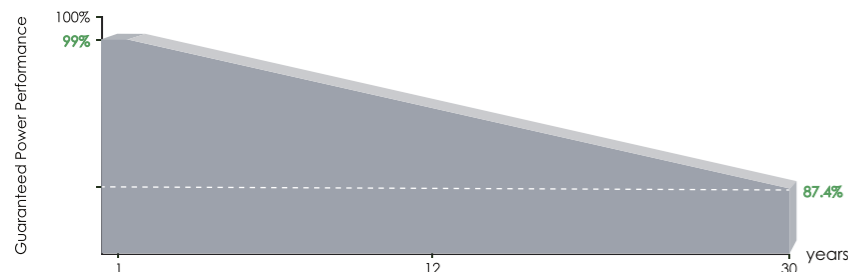


Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



LINEAR PERFORMANCE WARRANTY

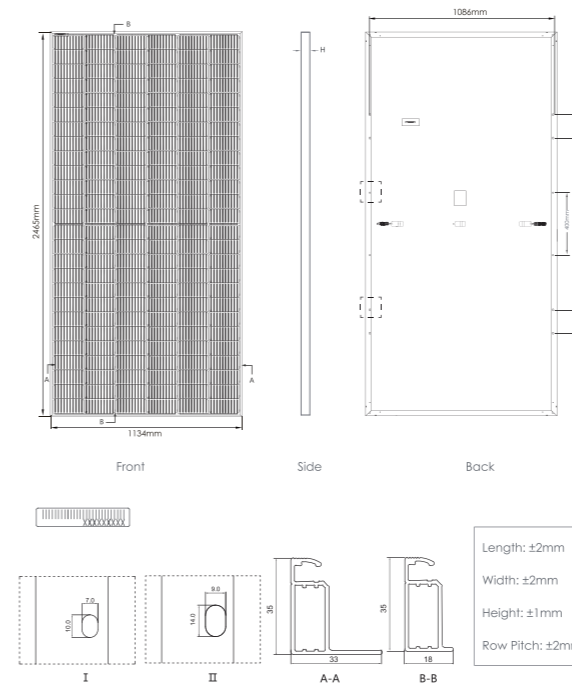


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings

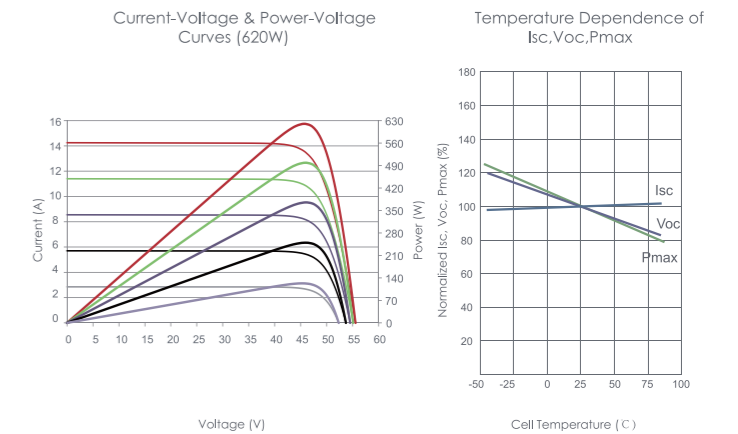


Packaging Configuration

(Two pallets = One stack)

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

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	156 (2×78)
Dimensions	2465×1134×35mm (97.05×44.65×1.38 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 ² (+): 400mm, (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	JKM610N-78HL4		JKM615N-78HL4		JKM620N-78HL4		JKM625N-78HL4		JKM630N-78HL4	
	JKM610N-78HL4	JKM610N-78HL4-V	JKM615N-78HL4	JKM615N-78HL4-V	JKM620N-78HL4	JKM620N-78HL4-V	JKM625N-78HL4	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									

*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 78HL4-BDV 605-625 Watt BIFACIAL MODULE WITH DUAL GLASS

N-Type

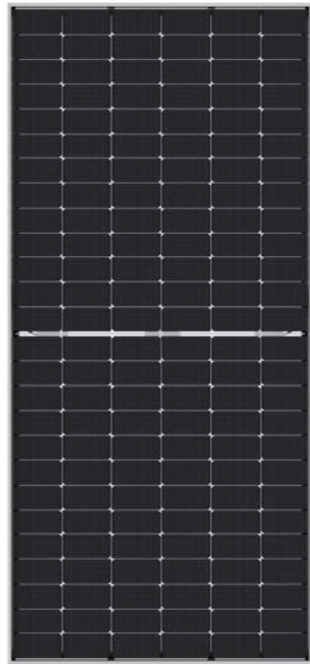
Positive power tolerance of 0~+3%

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.

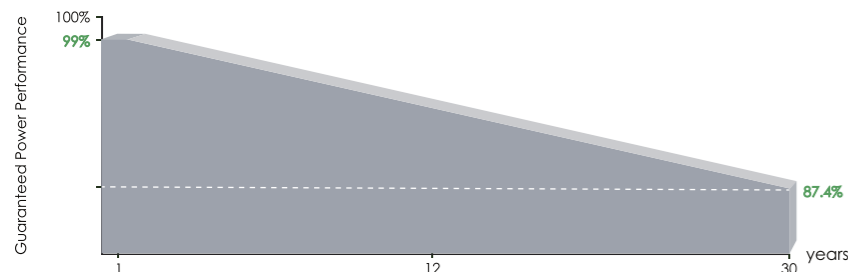


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

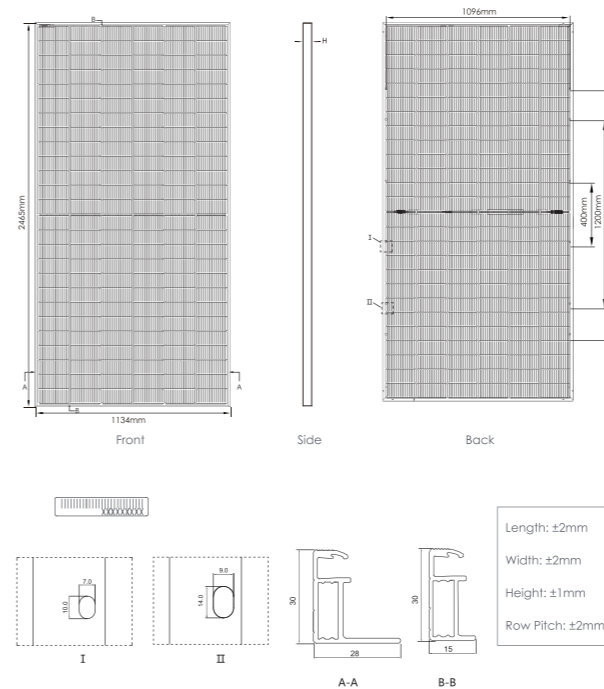


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings

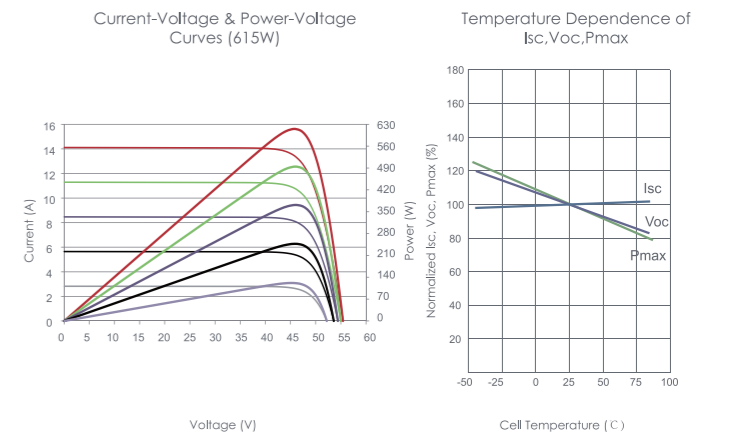


Packaging Configuration

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 576pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	156 (2x78)
Dimensions	2465x1134x30mm (97.05x44.65x1.18 inch)
Weight	34.6kg (76.38 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	JKM605N-78HL4-BDV		JKM610N-78HL4-BDV		JKM615N-78HL4-BDV		JKM620N-78HL4-BDV		JKM625N-78HL4-BDV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	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-REAR SIDE POWER GAIN

5%	Maximum Power (Pmax)	635Wp	641Wp	646Wp	651Wp	656Wp
	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

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).

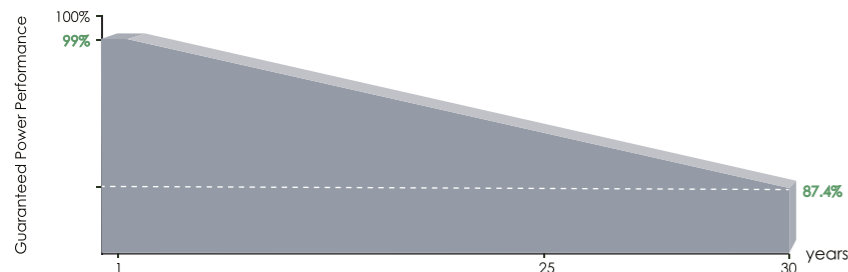


Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



LINEAR PERFORMANCE WARRANTY

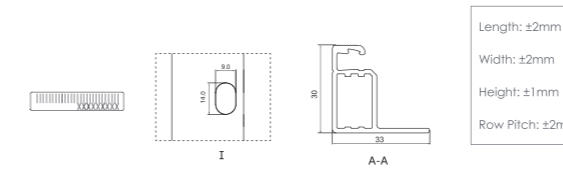
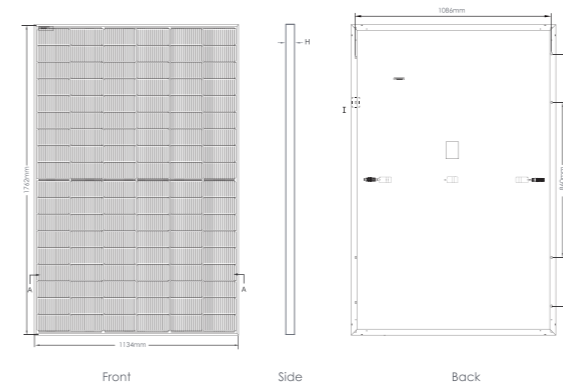


25 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings



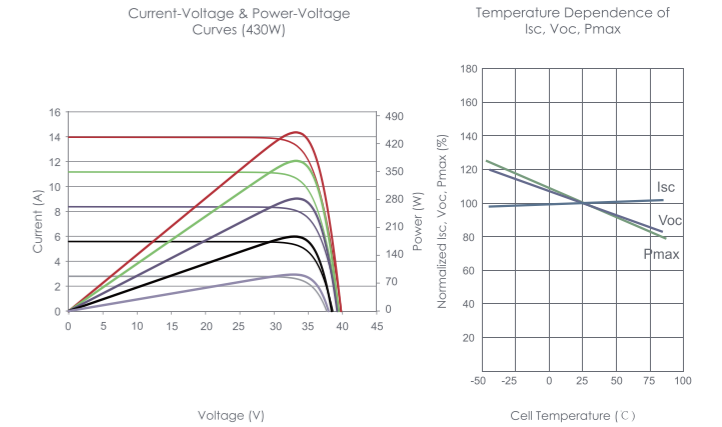
*This tolerance range applies only to the four-angle distance of the module as indicated above.

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 (6×18)
Dimensions	1762×1134×30mm (69.36×44.65×1.18 inch)
Weight	22 kg (48.50 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm (+): 400mm, (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	JKM420N-54HL4R-B		JKM425N-54HL4R-B		JKM430N-54HL4R-B		JKM435N-54HL4R-B		JKM440N-54HL4R-B	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	420Wp	316Wp	425Wp	320Wp	430Wp	323Wp	435Wp	327Wp	440Wp	331Wp
Maximum Power Voltage (Vmp)	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

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

N-Type

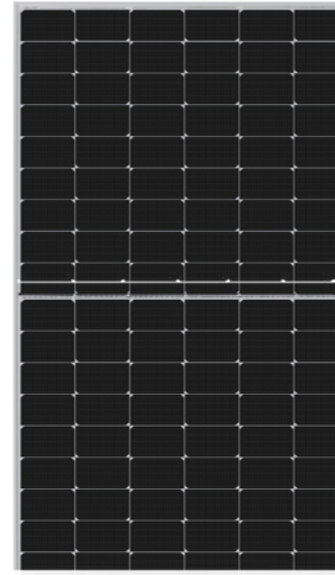
Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018
Occupational health and safety management systems



Key Features



SMBB Technology

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



Hot 2.0 Technology

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



PID Resistance

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



Enhanced Mechanical Load

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

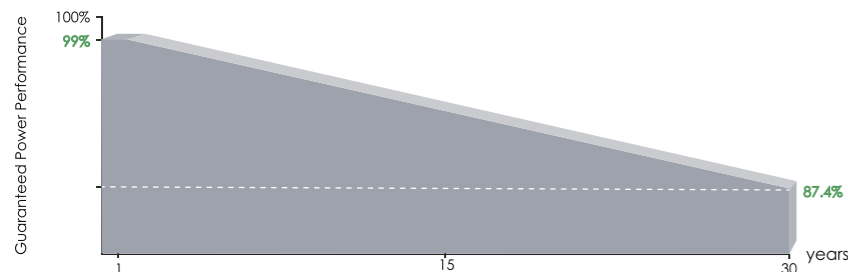


Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



LINEAR PERFORMANCE WARRANTY

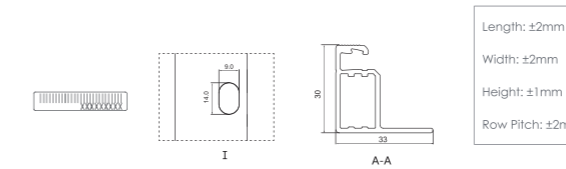
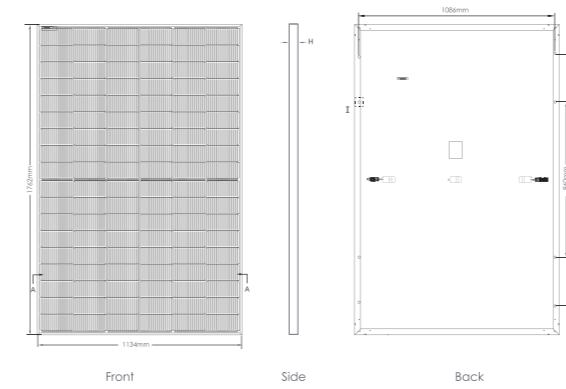


15 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings



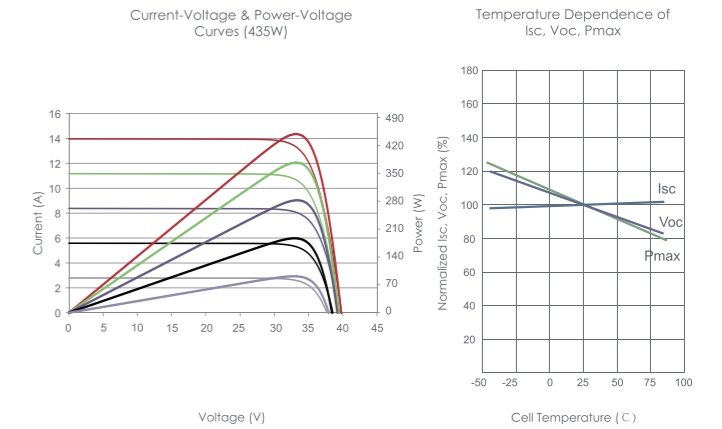
*This tolerance range applies only to the four-angle distance of the module as indicated above.

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 (2×54)
Dimensions	1762×1134×30mm (69.36×44.65×1.18 inch)
Weight	22 kg (48.50 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm (+): 400mm, (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	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

Tiger Neo N-type 72HL4R-(V) 575-595 Watt MONO-FACIAL MODULE

N-Type

Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

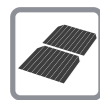
ISO14001:2015: Environment Management System

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.



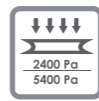
Hot 2.0 Technology

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).

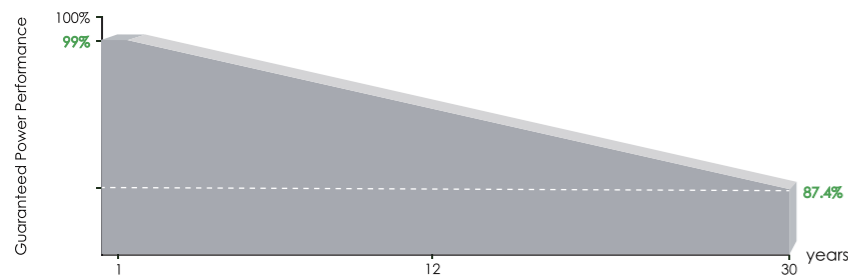


Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



LINEAR PERFORMANCE WARRANTY

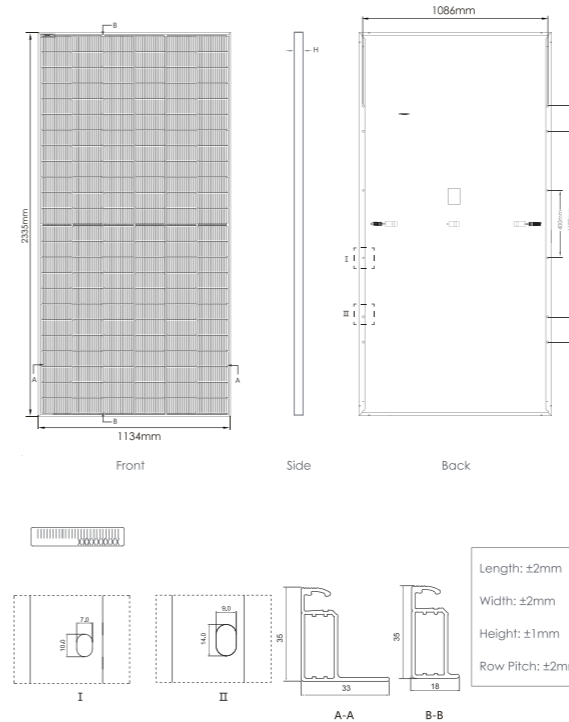


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings

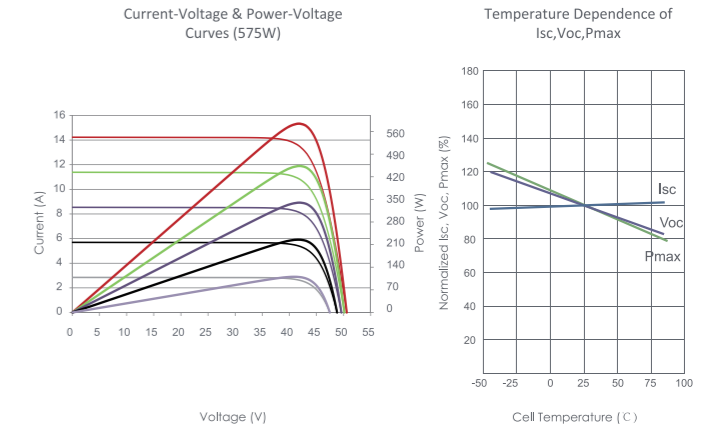


Packaging Configuration

(Two pallets = One stack)

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

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	144 (2×72)
Dimensions	2335×1134×35mm (91.94×44.65×1.38 inch)
Weight	28.5 kg (62.83 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 (+): 400mm, (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	JKM575N-72HL4R		JKM580N-72HL4R		JKM585N-72HL4R		JKM590N-72HL4R		JKM595N-72HL4R	
	JKM575N-72HL4R-V	JKM575N-72HL4R-V	JKM580N-72HL4R-V	JKM580N-72HL4R-V	JKM585N-72HL4R-V	JKM585N-72HL4R-V	JKM590N-72HL4R-V	JKM590N-72HL4R-V	JKM595N-72HL4R-V	JKM595N-72HL4R-V
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	575Wp	432Wp	580Wp	436Wp	585Wp	440Wp	590Wp	444Wp	595Wp	447Wp
Maximum Power Voltage (Vmp)	42.22V	39.60V	42.37V	39.69V	42.52V	39.81V	42.67V	39.90V	42.81V	40.02V
Maximum Power Current (Imp)	13.62A	10.92A	13.69A	10.99A	13.76A	11.05A	13.83A	11.12A	13.90A	11.18A
Open-circuit Voltage (Voc)	50.88V	48.33V	51.02V	48.46V	51.16V	48.60V	51.30V	48.73V	51.41V	48.83V
Short-circuit Current (Isc)	14.39A	11.62A	14.47A	11.68A	14.55A	11.75A	14.63A	11.81A	14.71A	11.88A
Module Efficiency STC (%)	21.72%		21.90%		22.09%		22.28%		22.47%	
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

NOCT: ☀ Irradiance 800W/m² 📏 Ambient Temperature 20°C

☁ AM=1.5

☁ AM=1.5

🌀 Wind Speed 1m/s

Tiger Neo N-type 72HL4R-BDV 570-590 Watt BIFACIAL MODULE WITH DUAL GLASS

N-Type

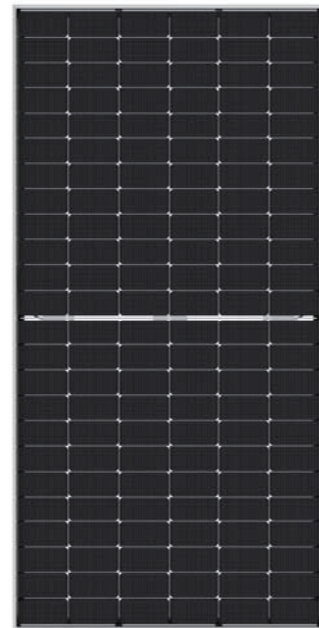
Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)

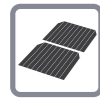
ISO9001:2015: Quality Management System

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.

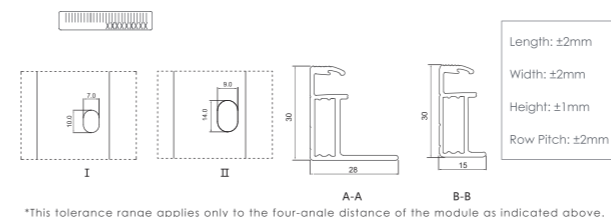
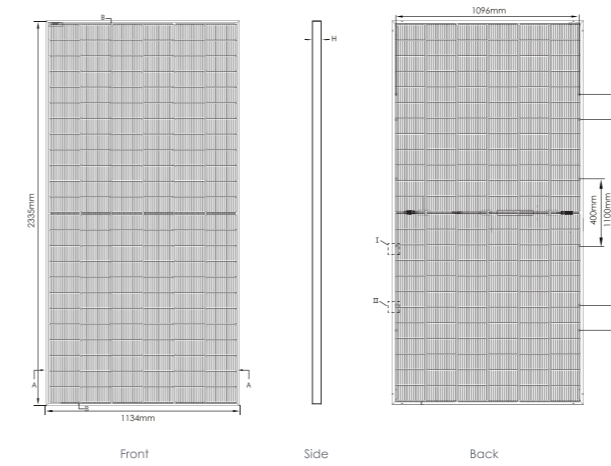


Enhanced Mechanical Load

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



Engineering Drawings

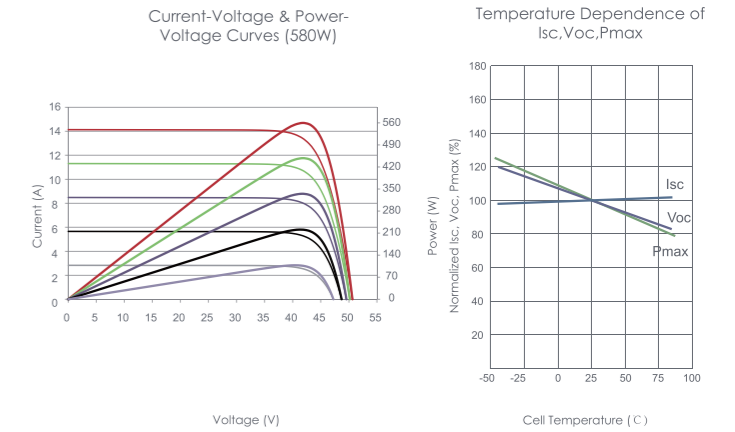


Packaging Configuration

(Two pallets = One stack)

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

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	144 (2×72)
Dimensions	2335×1134×30mm (91.93×44.65×1.18 inch)
Weight	33 kg (72.75 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 1×4.0mm ² (+): 400mm, (-): 200mm or Customized Length

SPECIFICATIONS

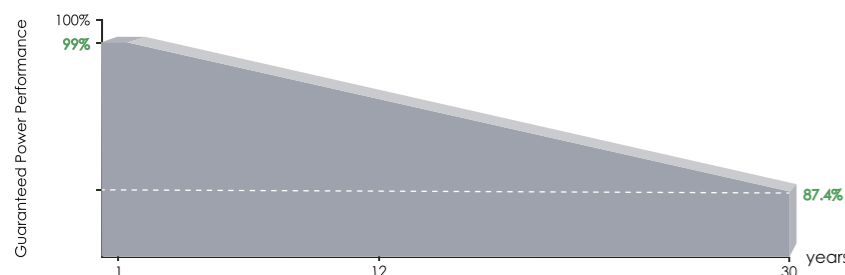
Module Type	JKM570N-72HL4R-BDV		JKM575N-72HL4R-BDV		JKM580N-72HL4R-BDV		JKM585N-72HL4R-BDV		JKM590N-72HL4R-BDV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	570Wp	429Wp	575Wp	432Wp	580Wp	436Wp	585Wp	440Wp	590Wp	444Wp
Maximum Power Voltage (Vmp)	42.29V	39.65V	42.44V	39.78V	42.59V	39.87V	42.74V	40.03V	42.88V	40.15V
Maximum Power Current (Imp)	13.48A	10.81A	13.55A	10.87A	13.62A	10.94A	13.69A	10.99A	13.76A	11.05A
Open-circuit Voltage (Voc)	51.07V	48.51V	51.27V	48.70V	51.47V	48.89V	51.67V	49.08V	51.86V	49.26V
Short-circuit Current (Isc)	14.25A	11.50A	14.31A	11.55A	14.37A	11.60A	14.43A	11.65A	14.49A	11.70A
Module Efficiency STC (%)	21.53%		21.72%		21.90%		22.09%		22.28%	
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

		5%	15%	25%
Maximum Power (Pmax)		599Wp	604Wp	609Wp
Module Efficiency STC (%)		22.60%	22.80%	23.00%
Maximum Power (Pmax)		656Wp	661Wp	667Wp
Module Efficiency STC (%)		24.76%	24.97%	25.19%
Maximum Power (Pmax)		713Wp	719Wp	725Wp
Module Efficiency STC (%)		26.91%	27.14%	27.38%

*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 Pro Series



Designed for
residential
commercial
Utility

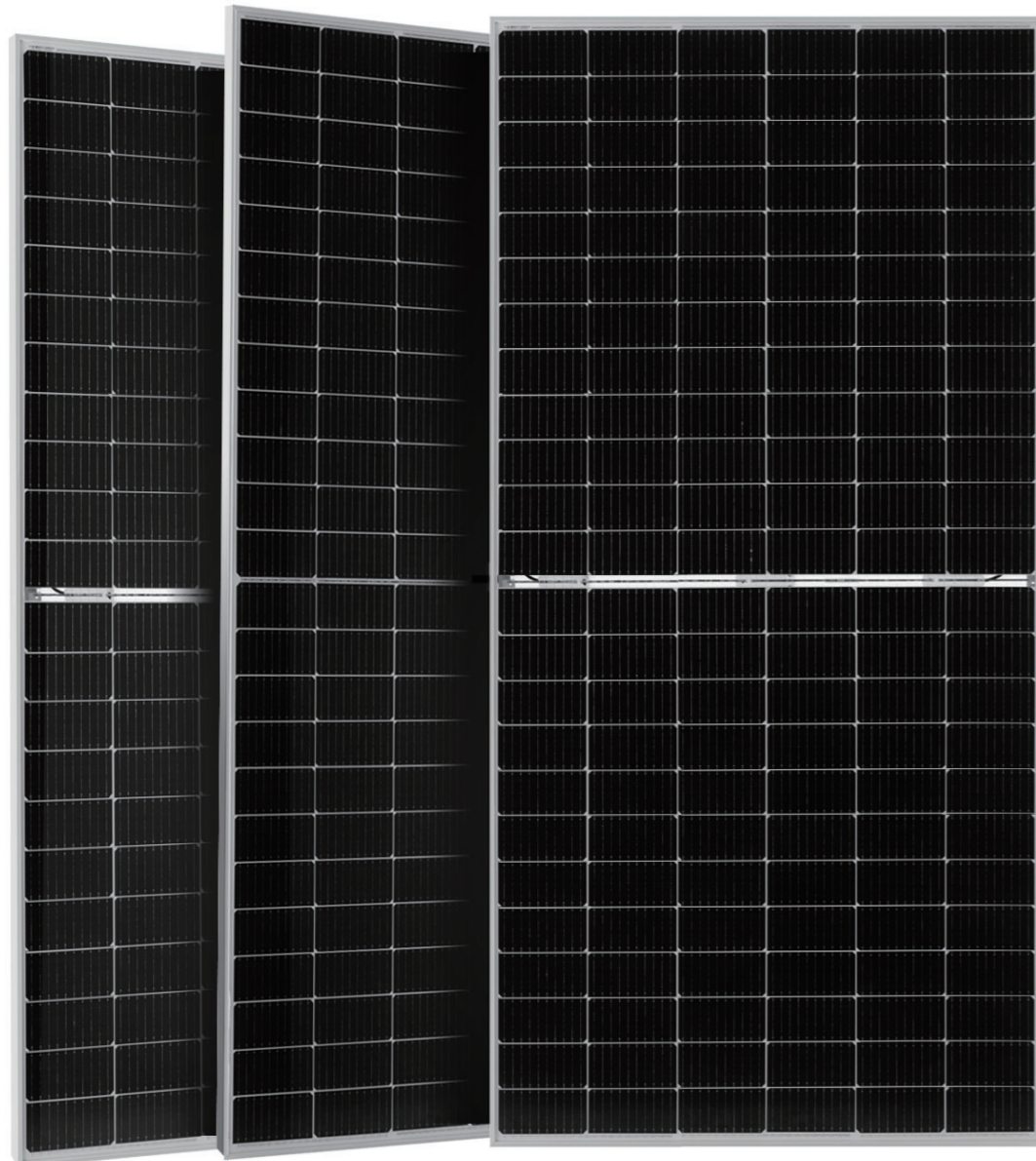
Completes System and Product Certifications

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

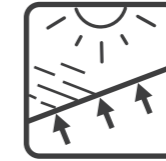
ISO45001:2018: Occupational health and safety management systems



Customer Benefits



Multi Busbar



PID Resistance



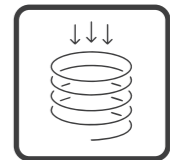
Higher Lifetime Power Yield



Saving BOS Cost



Higher power output



Severe Weather Resilience



Low-light Performance



Durability Against Extreme Environmental Conditions



High Efficiency

Product	# of cells	Size/Weight
JKM395-415M-54HL4-(V)	54 Cells	1722×1134×30mm / 22.0kg
JKM450-470M-60HL4-(V)	60 Cells	1903×1134×30mm / 24.2kg
JKM540-560M-72HL4-(V)	72 Cells	2278×1134×35mm / 28.0kg
JKM535-555M-72HL4-BDVP	78 Cells	2278×1134×30mm / 32.0kg

Tiger Pro 54HC

395-415 Watt

MONO-FACIAL MODULE

P-Type

Positive power tolerance of 0~+3%

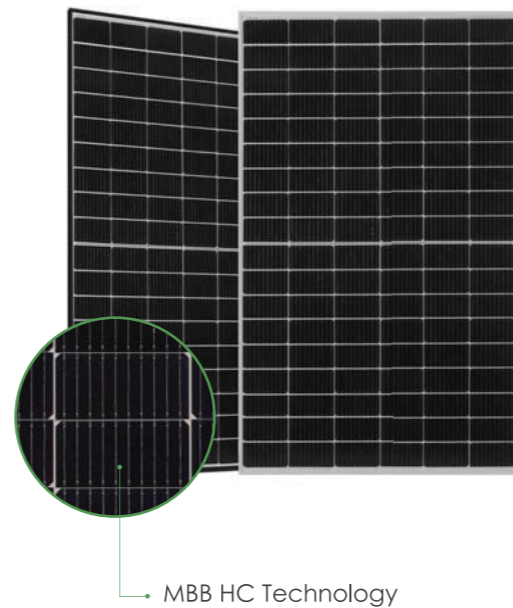
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

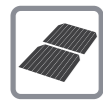
ISO45001:2018

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.



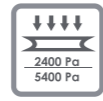
PID Resistance

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



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

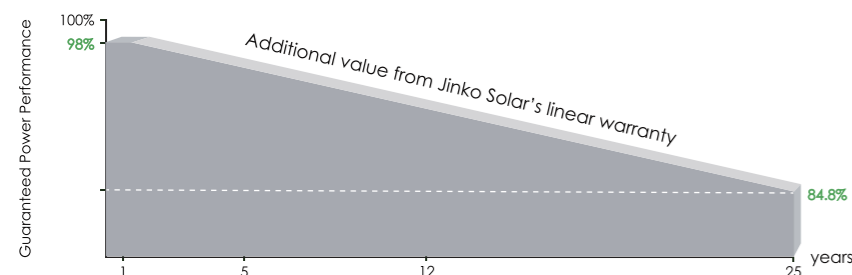


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

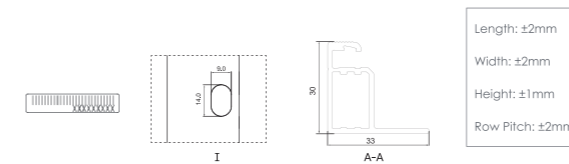
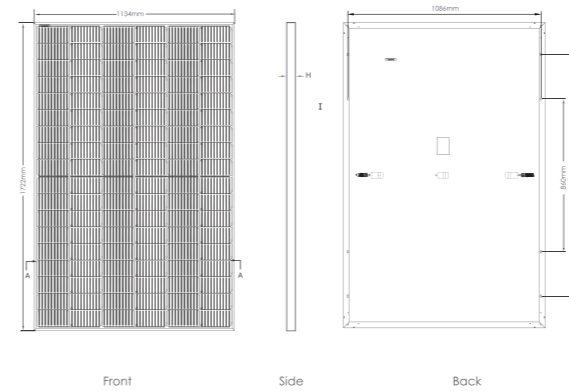


15 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

Engineering Drawings

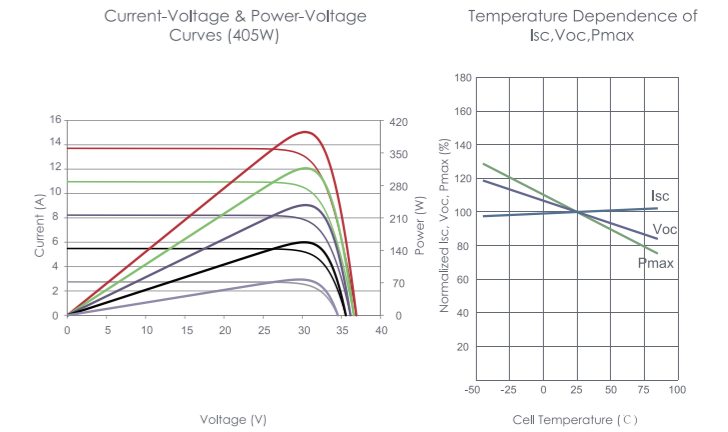


Packaging Configuration

(Two pallets = One stack)

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

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	108 (2x54)
Dimensions	1722×1134×30mm (67.80×44.65×1.18 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 1×4.0mm ² (+): 400mm, (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	JKM395M-54HL4		JKM400M-54HL4		JKM405M-54HL4		JKM410M-54HL4		JKM415M-54HL4	
	JKM395M-54HL4-V	JKM395M-54HL4-V	JKM400M-54HL4-V	JKM400M-54HL4-V	JKM405M-54HL4-V	JKM405M-54HL4-V	JKM410M-54HL4-V	JKM410M-54HL4-V	JKM415M-54HL4-V	JKM415M-54HL4-V
	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 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.



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.

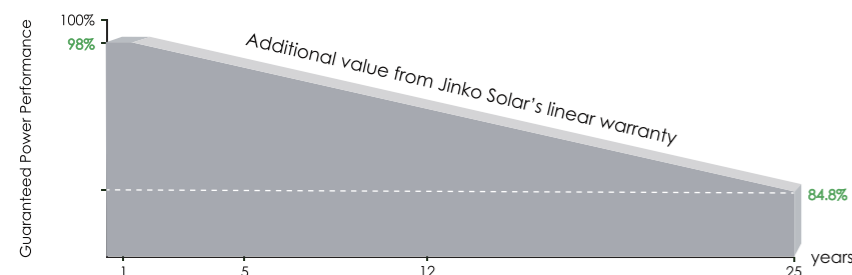


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

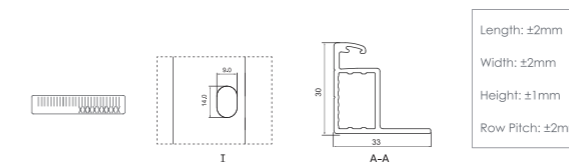
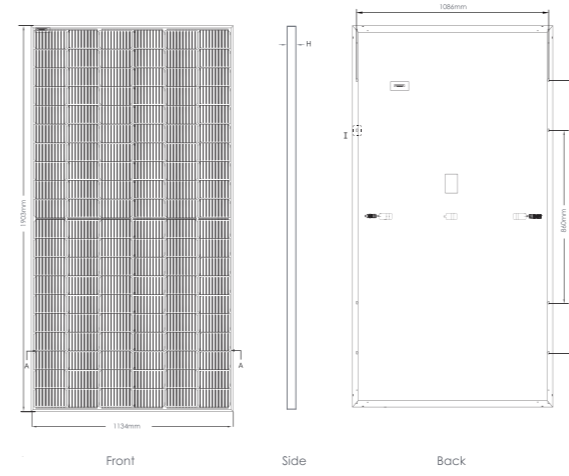


12 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

Engineering Drawings

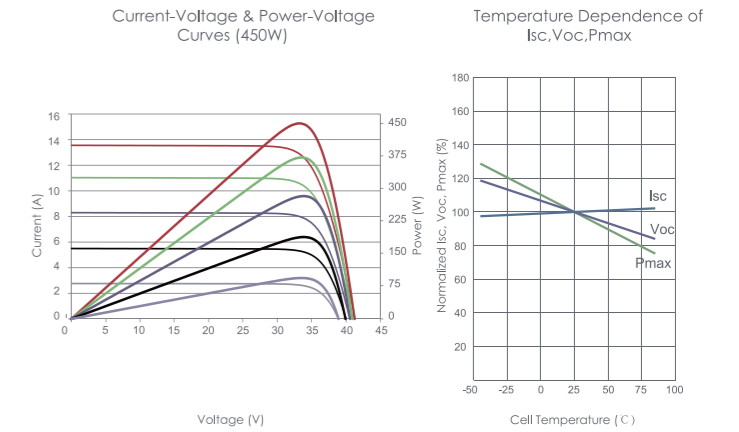


Packaging Configuration

(Two pallets = One stack)

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

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	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

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 Pro 72HC

540-560 Watt

MONO-FACIAL MODULE

P-Type

Positive power tolerance of 0~+3%

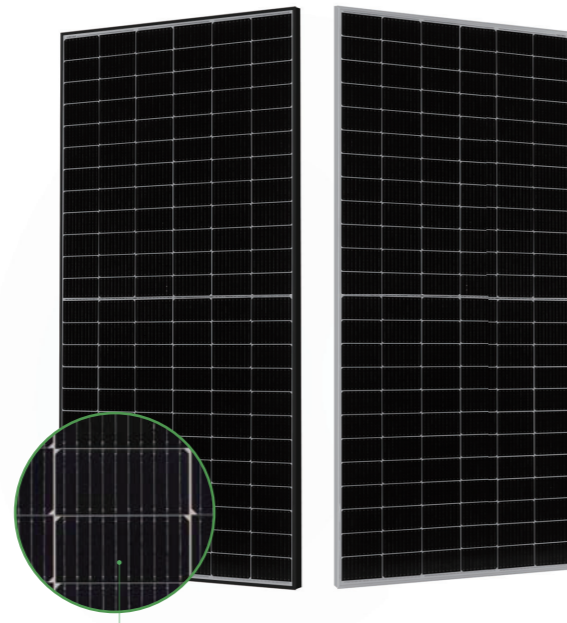
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

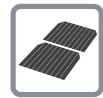
ISO45001:2018

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.



Reduced Hot Spot Loss

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



Longer Life-time Power Yield

0.55% annual power degradation and 25 year linear power warranty.



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

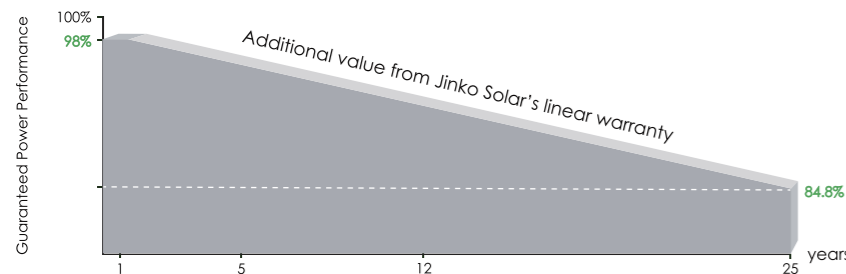


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

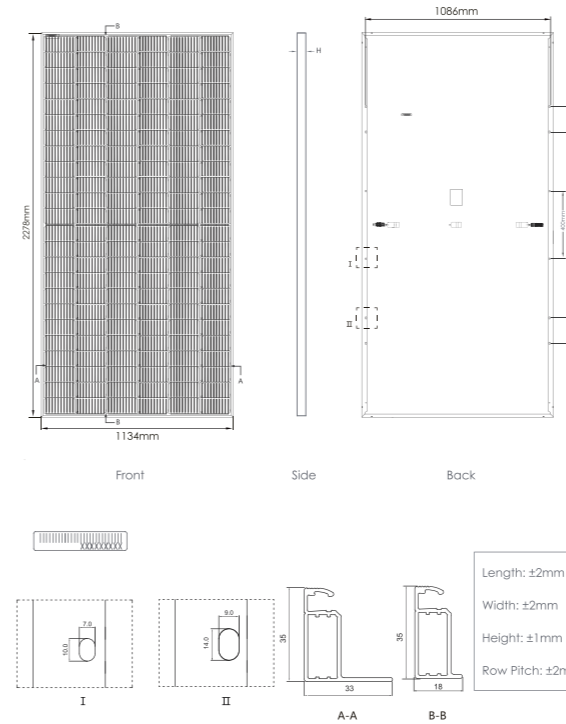


12 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

Engineering Drawings

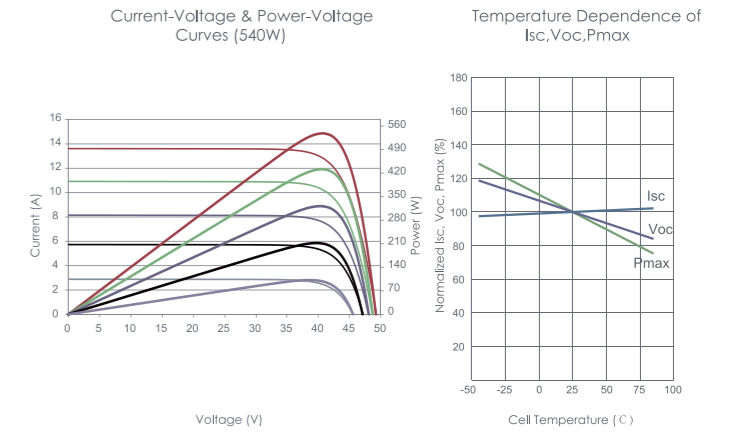


Packaging Configuration

(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 (6×24)
Dimensions	2278×1134×35mm (89.53×44.65×1.38 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 ² (+): 400mm, (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	JKM540M-72HL4		JKM545M-72HL4		JKM550M-72HL4		JKM555M-72HL4		JKM560M-72HL4	
	JKM540M-72HL4-V	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 Pro 72HC-BDVP

535-555 Watt

BIFACIAL MODULE WITH DUAL GLASS

P-Type

Positive power tolerance of 0~+3%

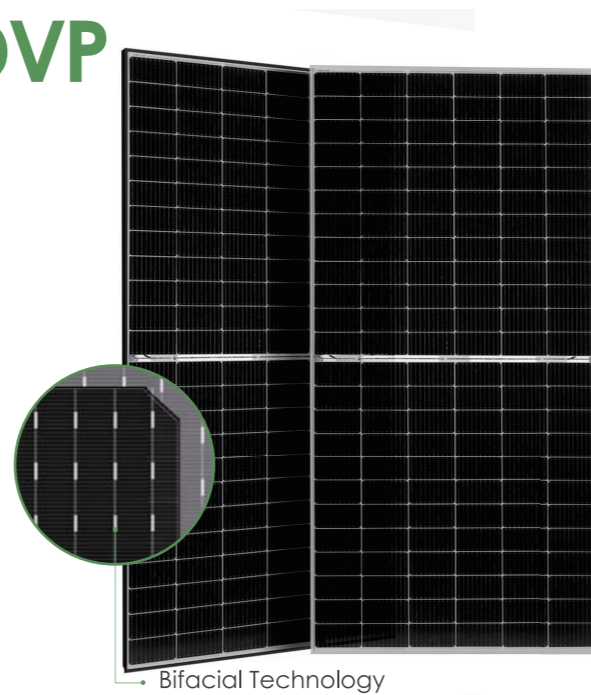
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



Bifacial Technology

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.



Higher Power Output

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



Longer Life-time Power Yield

0.45% annual power degradation and 30 year linear power warranty.

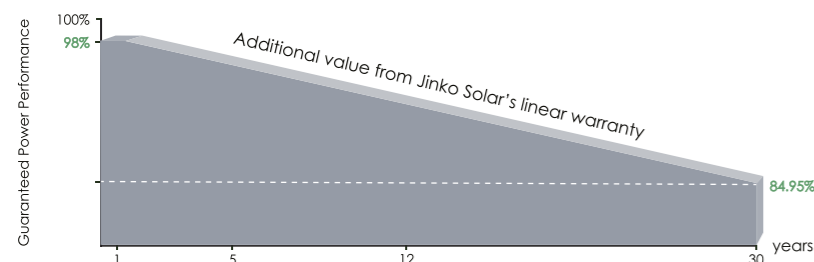


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

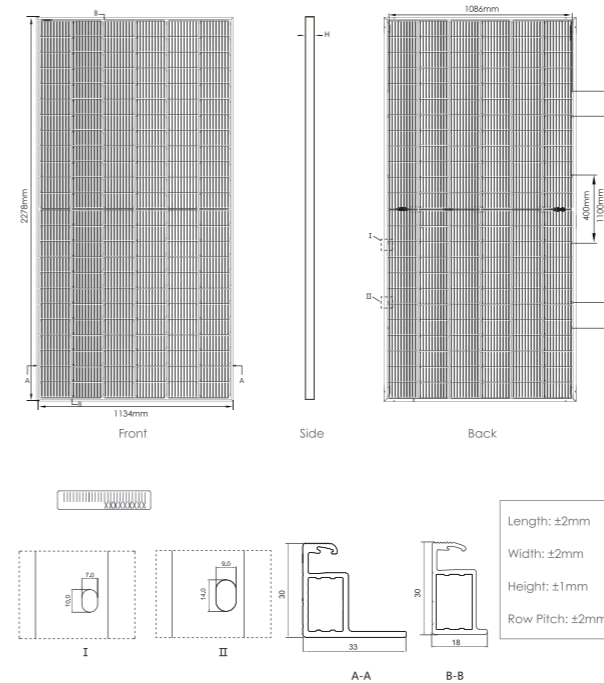


12 Year Product Warranty

30 Year Linear Power Warranty

0.45% Annual Degradation Over 30 years

Engineering Drawings

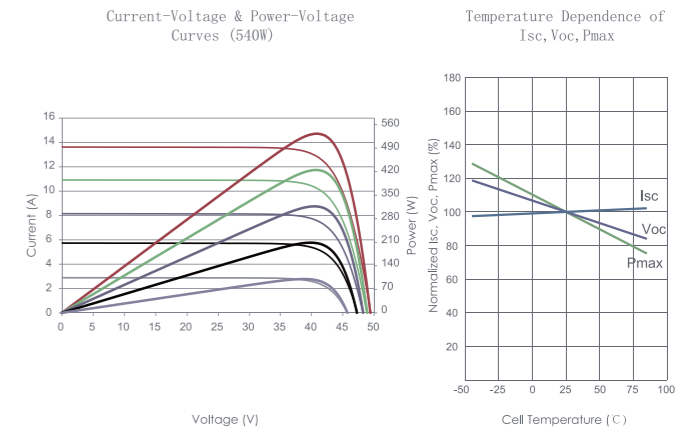


Packaging Configuration

(Two pallets = One stack)

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

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2278×1134×30mm (89.69×44.65×1.18 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 1×4.0mm ² (+): 400mm, (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	JKM535M-72HL4-BDVP		JKM540M-72HL4-BDVP		JKM545M-72HL4-BDVP		JKM550M-72HL4-BDVP		JKM555M-72HL4-BDVP	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	535Wp	398Wp	540Wp	402Wp	545Wp	405Wp	550Wp	409Wp	555Wp	413Wp
Maximum Power Voltage (Vmp)	40.94V	37.94V	41.13V	38.08V	41.32V	38.25V	41.51V	38.42V	41.70V	38.59V
Maximum Power Current (Imp)	13.07A	10.49A	13.13A	10.55A	13.19A	10.60A	13.25A	10.65A	13.31A	10.70A
Open-circuit Voltage (Voc)	49.54V	46.76V	49.73V	46.94V	49.92V	47.12V	50.11V	47.30V	50.30V	47.48V
Short-circuit Current (Isc)	13.83A	11.17A	13.89A	11.22A	13.95A	11.27A	14.01A	11.32A	14.07A	11.36A
Module Efficiency STC (%)	20.71%		20.90%		21.10%		21.29%		21.48%	
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	-0.35%/°C									
Temperature coefficients of Voc	-0.28%/°C									
Temperature coefficients of Isc	0.048%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									
Refer. Bifacial Factor	70±5%									

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		JKM535M-72HL4-BDVP	JKM540M-72HL4-BDVP	JKM545M-72HL4-BDVP	JKM550M-72HL4-BDVP	JKM555M-72HL4-BDVP
5%	Maximum Power (Pmax)	562Wp	567Wp	572Wp	578Wp	583Wp
	Module Efficiency STC (%)	21.76%	21.95%	22.15%	22.36%	22.56%
15%	Maximum Power (Pmax)	615Wp	621Wp	627Wp	633Wp	638Wp
	Module Efficiency STC (%)	23.81%	24.04%	24.26%	24.48%	24.71%
25%	Maximum Power (Pmax)	669Wp	675Wp	681Wp	688Wp	694Wp
	Module Efficiency STC (%)	25.90%	26.13%	26.37%	26.61%	26.86%

*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

Entering the Era of Higher Energy Storage utilization

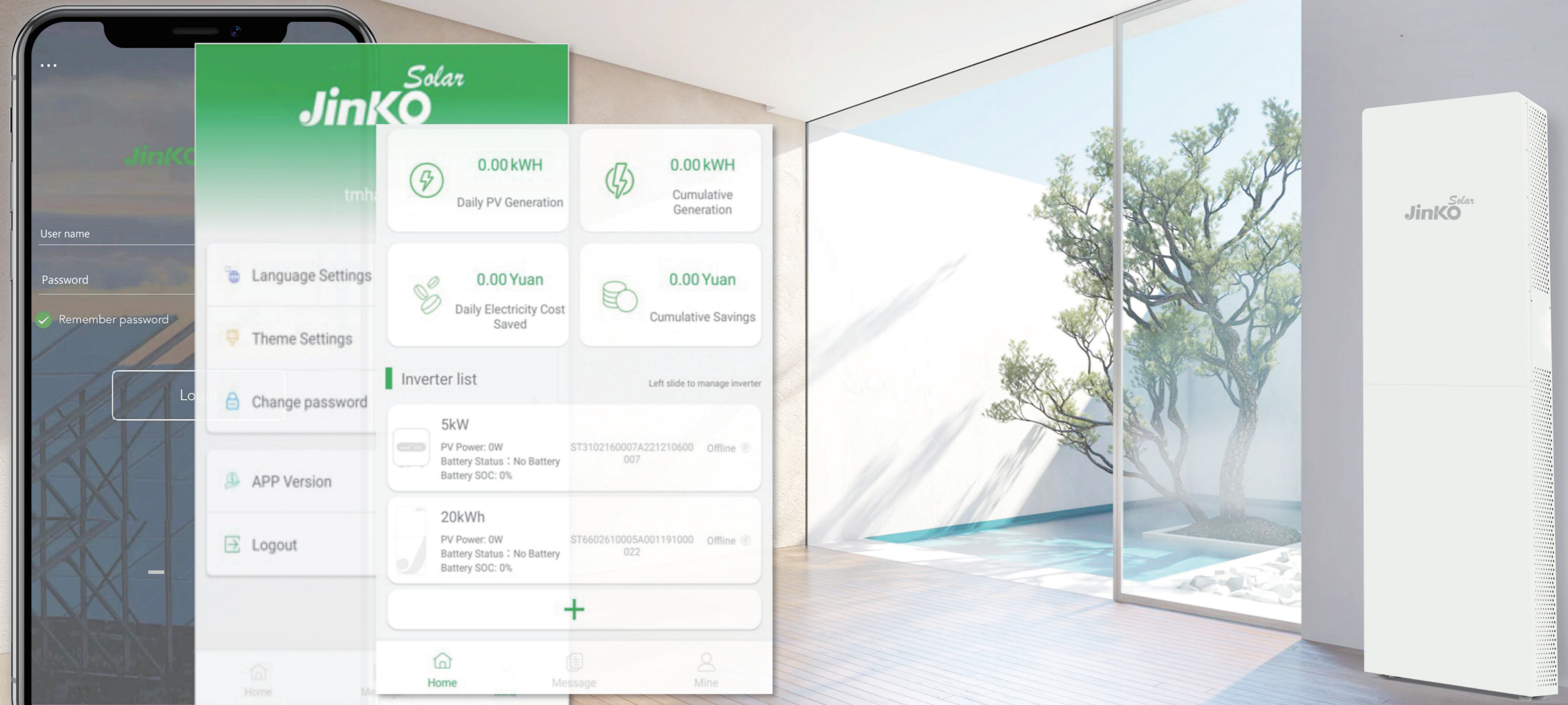
**On & Off
Grid parallel
use**

**PV+ Battery
storage
system+ PCS**

**Smart Storage
System**

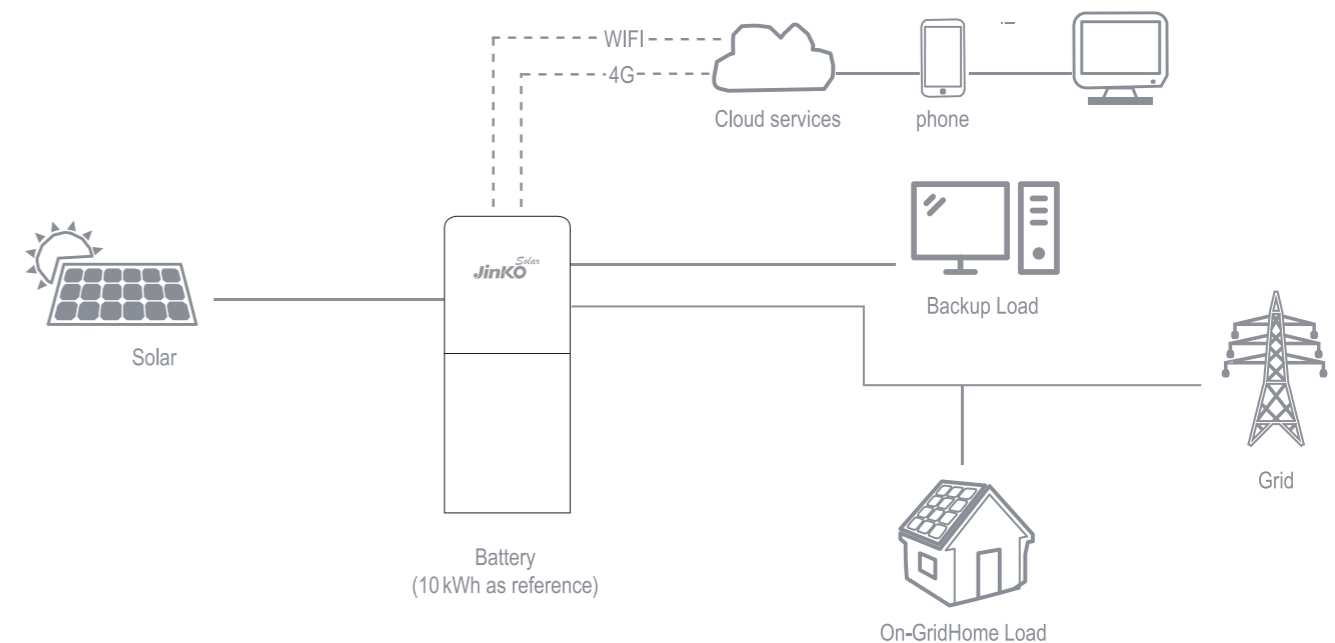
Jinko Smart Storage System is a state-of-the-art energy management solution designed for owners who plan to implement effective residential energy management. It provides an efficient solution for your home's green electricity consumption, reducing costs, and maximizing the self-utilization rate of power generation. At the same time, Jinko's smart storage system provides both AC & DC-coupling methods to realize multi-directional energy interaction between the PV modules, the batteries and the grid.

Visualized Monitoring and Management of Energy



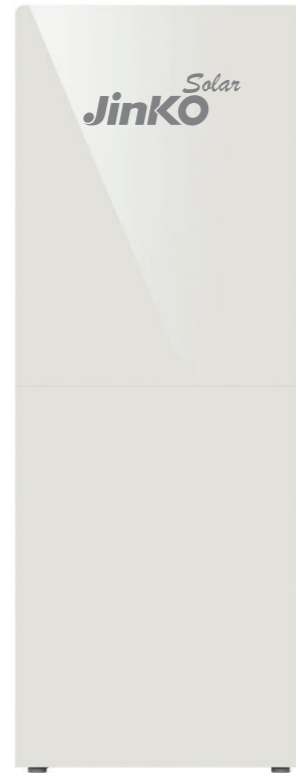
Jinko Smart Energy control app enables visual real-time monitoring and energy performance management. Remote control can be easily done with the touch of a button.

- Real-time data monitoring and remote function setting.
- Charging and discharging optimization can carry out smart calculations to maximize revenue.
- Cluster control, smart early warnings.
- Adapt smart IoT solutions (smart home).



JKS10.2K-5HLVS

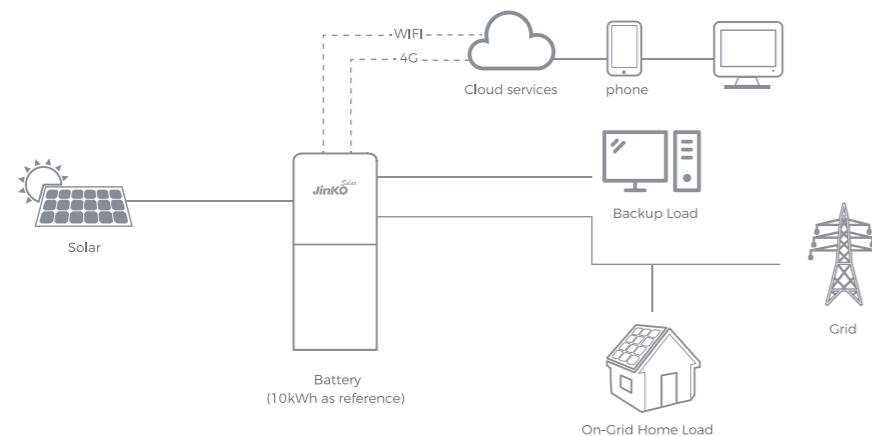
All-in-One Low Voltage System



JKS10.2K-5HLVS storage system comes with a hybrid inverter and modular batteries.. It utilizes LFP battery technology, a robust battery management system for safe operation, and a 10-year warranty for battery. It can be paired with any existing solar array. An integrated automatic transfer switch and autotransformer enables seamless operation during power outage events when paired with solar. With top safety for self-protection, it is certified by extensive safety standards.IEC62619, IEC62040,EN61000,UN38.3,NRS 097.

- The inverter can connect to a PV input of up to 6 kW DC over two MPPT channels and is available in both grid and off-grid switch functions
- The smart real-time monitoring app is available for both installers and end-users to track system production
- Double leakage current and isolation protection, multi-stage protection scheme ensures higher safety
- Built-in DC/AC safety isolation system, easier for transportation and installation
- Natural convection, wider operating temperature range of -20 to +55 degrees Celsius
- Compact and thin with minimalist exterior design

CIRCUIT DIAGRAM



SPECIFICATIONS

Model	JKS10.2K-5HLVS	
System Capacity	5kW/10kWh	
PV String Input	Max. DC input power (W)	6000
	Max. DC Input voltage & nominal voltage(V)	580 & 360
	Startup voltage & MPPT voltage range(V)	90 & 125-550
	Number of MPPT	2
	Max. input current per MPPT(A)	13
	Max. short-circuit current per MPPT(A)	14
Battery Input	Battery type	LFP (LiFePO4)
	Nominal battery voltage(V)	51.2
	Charging Voltage range (V)	44.8-57.6
	Max. charging current & discharging current(A)	70 & 100
	Battery capacity (Ah)	100Ah*2
	Energy capacity (kWh)	5.12kWh*2
	Usable capacity (kWh)	9.216
AC Output (Grid)	Nominal AC output power (W)	5000
	Nominal AC voltage & AC grid frequency	230Vac & 50/60Hz±5Hz
	Rated output current(A)	22.8
	Power factor (cosΦ)	0.8leading-0.8lagging
AC Output (Backup)	Max. output power(W)	4600W(4800W 5min; 6000W 5sec)
	Nominal AC voltage & AC grid frequency	230Vac & 50/60Hz±5Hz
	Rated output current(A)	20.9
Efficiency	Max. PV efficiency	97.8%
	Euro. PV efficiency	97%
Protection	Anti-islanding protection	Yes
	Output over current	Yes
	DC reverse polarity protection	Yes
	String fault detection	Yes
	AC/DC surge protection	DC Type II : AC Type III
	Insulation detection	Yes
	AC short circuit protection	Yes
General Specifications	Dimensions W x D x H	623*170*1843mm
	Cabinet weight	52kg
	Inverter weight	28kg
	Packs weight	88kg
	*Operating temperature range	-20 C ~+55 C
	Noise level	<30dB
	Cooling type	Natural Convection
	Operation altitude	≤ 2000m
	Operation humidity	0%-95% RH
	Ingress protection class	IP65(Inverter & battery cabinet)
	Warranty	5 years (inverter)/10 years (battery)
	Communication	RS485/CAN2.0/WIFI
	Display	APP
Certification & standard	EN61000 IEC 62619 IEC 63056 UN 38.3 IEC 62109 NRS 097 CEI 0-21: 2022	

* For charging operation: 0 C ~+55 C, for discharging operation: -20 C ~+55 C

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

© Jinko Solar Co., Ltd., All rights reserved. Specifications included in this datasheet are subject to change without notice.

JKS10.2K-5HLVS-EN-A1

JKS-B51100-GI

Low Voltage LFP Battery



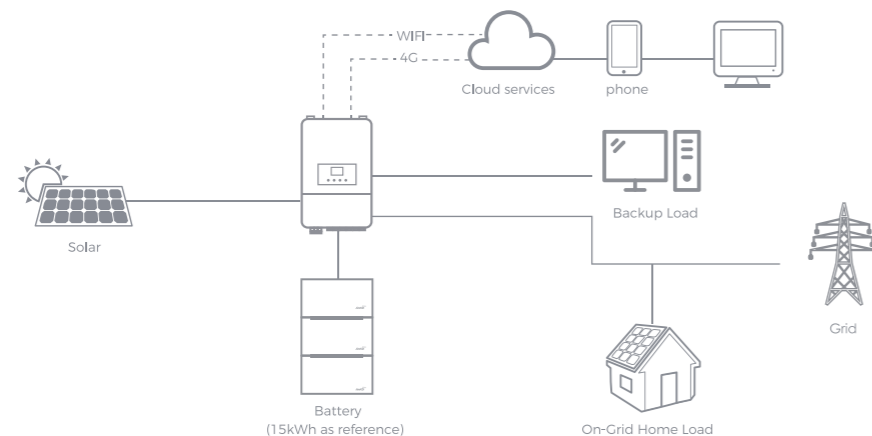
SPECIFICATIONS

Battery Pack	JKS-B51100-GI
Physical	
Battery Type	LFP(LiFePO4)
Weight	<50kg
Dimensions [W*H*D]	660*410*210mm
Enclosure Protection Rating	IP65
Warranty	10 Years
Electrical	
Energy Capacity	5.12kWh
Usable Capacity	4.6kWh
Cell Capacity	100Ah
Depth of Discharge(DOD)	90%
Rated Voltage	51.2 V
Operation Voltage Range	44.8 V ~ 58.4 V
Max Parallel Extension	4 Packs(20.48kWh)
Cycle Life	>6000 cycles
Operation	
Rated Charge/Discharge Current	50A/100A
Max. Charge/Discharge Current	100A
Peak Discharge Current	110A(5s)
Rated DC Power	5kW
Operation Temperature Range	-30 ~ 55 C
Storage Temperature	-10 ~ 45 C
Humidity	0-90%
Certification	
Cell Certificates	UL1642, IEC62133, IEC62619, UN38.3
Pack Certificates	IEC62619, UN38.3

- LONGE LIFESPAN**
> 6,000 cycles backed by Jinkosolar 10-years authoritative warranty
- FAST CHARGING & DISCHARGING**
Compatible to charge/discharge at 0.5C and 1C, but at 0.5C is recommended
- HIGHLY COMPATIBLE**
Compatible to diesel engine power plants and UPS application with on/off grid shifting times as low as 10 seconds
- PREMIUM SERVICE**
Over 35 technical and services centers globally, world-widely distributed network and partners

- STRONG STABILITY**
Multiple battery protections including communication, MOS, 2nd fault mandatory protection to enable overall full protection
- UNIQUE SAFETY**
Protection rating at IP65, cell-level independent fire-proof design, fire-resistant material can be exposed to 1200 degrees Celsius flame
- QUICK INSTALLATION**
Plug and play connection saves 40% installation time
- ONE-STOP SHOP**
All-in-one PV+ solution provides packed warranty, one-stop service and support

CIRCUIT DIAGRAM



- 1 Power button
- 2 LED indicator
- 3 Hidden handle
- 4 Hidden cable connection box

JKS-5~12K-SG04LP3-EU

Three Phase Low Voltage Inverter Series



FAST CHARGING

Battery charging current up to 240 A



HIGH FLEXIBILITY

Compatible with solar PV and diesel generator



100% IMBALANCE OUTPUT

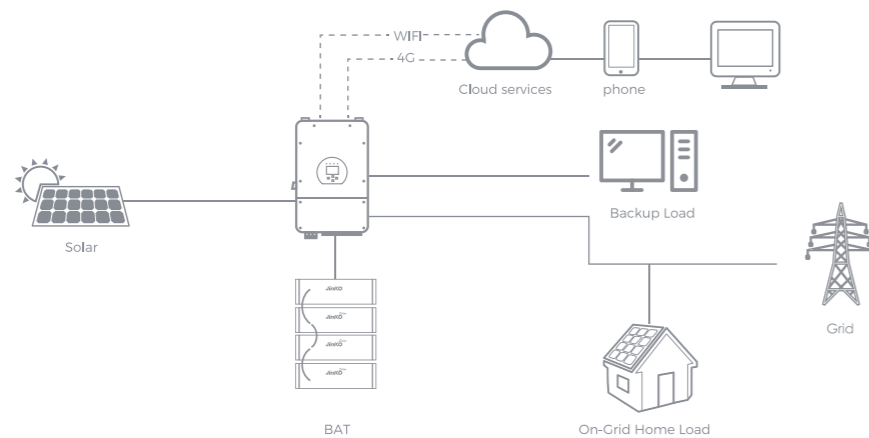
100% unbalanced output, each phase; Max. output up to 50% rated power



HIGH PROTECTION

IP65 (dust proof and water proof)

CIRCUIT DIAGRAM



SPECIFICATIONS

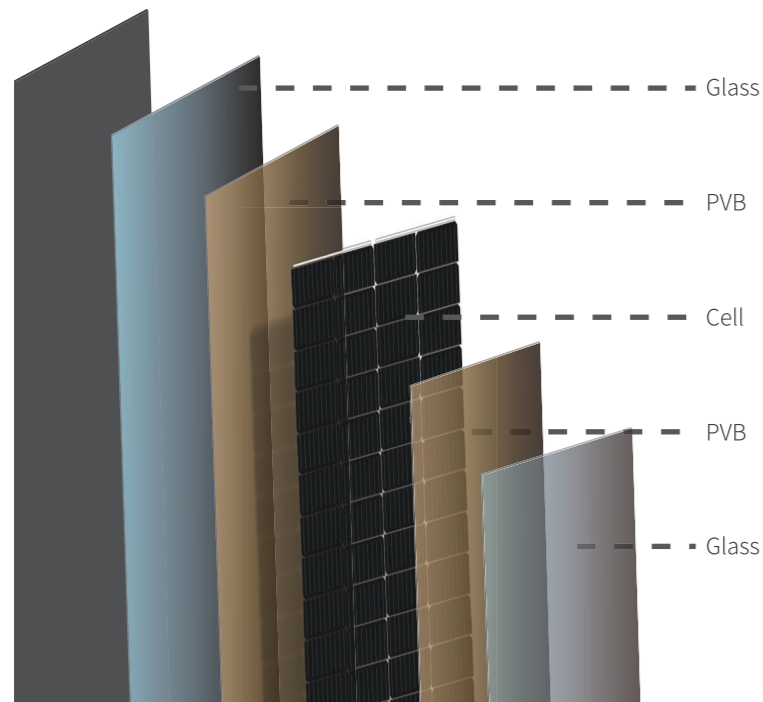
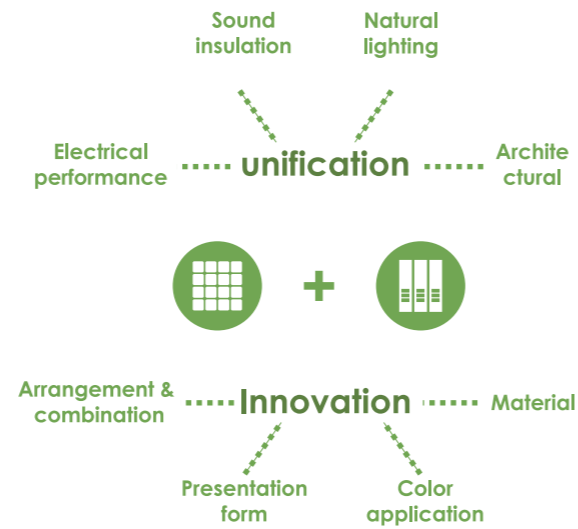
Datasheet	JKS-5K-SG04LP3-EU	JKS-6K-SG04LP3-EU	JKS-8K-SG04LP3-EU	JKS-10K-SG04LP3-EU	JKS-12K-SG04LP3-EU
BATTERY INPUT DATA					
Battery Type	Lead-acid or Li-Ion				
Battery Voltage Range(V)	40-60				
Max. Charging Current(A)	120	150	190	210	240
Max. Discharging Current(A)	120	150	190	210	240
External Temperature Sensor	Yes				
Charging Curve	3 Stages/Equalization				
Charging Strategy for Li-Ion Battery	Self-adaption to BMS				
PV STRING INPUT DATA					
Max. DC Input Power (W)	6500	7800	10400	13000	15600
Rated PV Input Voltage (V)	550 (160-800)				
Start-up Voltage (V)	160				
MPPT Voltage Range (V)	200-650				
Full Load DC Voltage Range (V)	350-650				
PV Input Current(A)	13+13	13+13	13+13	26+13	26+13
Max. PV ISC(A)	17+17	17+17	17+17	34+17	34+17
Number of MPPT/Strings per MPPT	2/1+1	2/1+1	2/1+1	2/2+1	2/2+1
AC OUTPUT DATA					
Rated AC Output and UPS Power (W)	5000	6000	8000	10000	12000
Max. AC Output Power (W)	5500	6000	8800	11000	13200
AC Output Rated Current (A)	7.6	9.1	12.1	15.2	18.2
Max. AC Current (A)	11.4	13.6	18.2	22.7	27.3
Max. Continuous AC Passthrough (A)	45				
Peak Power (off grid)	2 time of rated power, 10S				
Power Factor	0.8 leading to 0.8 lagging				
Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac				
Grid Type	Three Phase				
DC Injection Current (mA)	THD<3% (Linear load<1.5%)				
EFFICIENCY					
Max. Efficiency	97.60%				
Euro Efficiency	97.00%				
MPPT Efficiency	99.00%				
Protection	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection				
Output Over Voltage Protection	DC Type II/AC Type III				
CERTIFICATIONS AND STANDARDS					
Grid Regulation	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11				
EMC / Safety Regulation	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				
GENERAL DATA					
Operating Temperature Range (C)	-45-60 C, >45 C Derating				
Cooling	Smart cooling				
Noise (dB)	<45 dB				
Communication with BMS	RS485; CAN				
Weight (kg)	33.6				
Size (mm)	422W x 699.3H x 279D				
Protection Degree	IP65				
Installation Style	Wall-mounted				
Warranty	5 years				

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

© Jinko Solar Co., Ltd., All rights reserved. Specifications included in this datasheet are subject to change without notice.

BIPV Introduction

The photovoltaic power generation module panel and other electrical equipment are directly installed on the roof or Building facade.



BIPV Product: Jinko Curtain Wall

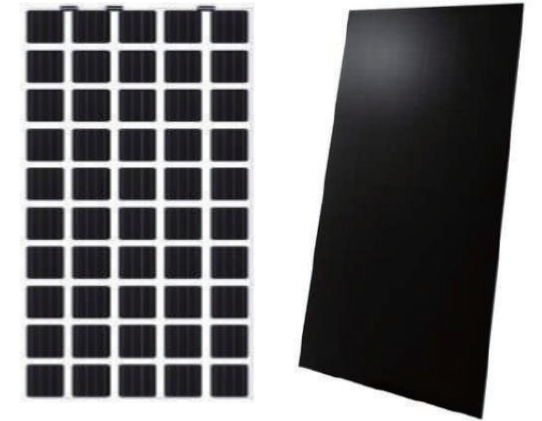
Jinko Transparent + All Black Curtain Wall Series

◆ Comprehensive scene coverage

meet the needs of most commercial and public buildings;

◆ Adjustable light transmittance

Light transmittance can be adjusted according to application scenes, considering both the beauty and performance;



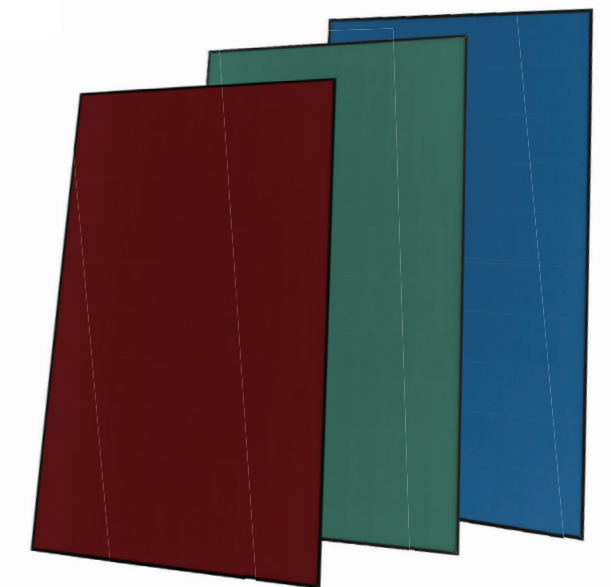
Jinko colorful curtain wall series

◆ Abundant color options

Rich colors, more in line with modern architectural aesthetics;

◆ High freedom of style

The size, shape and power can be customized according to the customer's demand and its application area;



BIPV

Color Steel Tile System

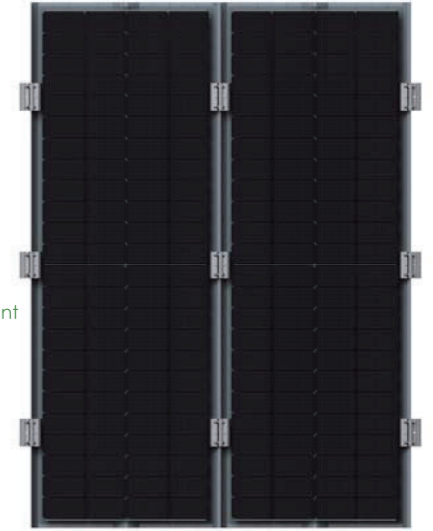


life more than 30 years | one installation, lifetime free from maintenance,
 Waterproof | maximum 360° lock seam system, good weather resistance,
 Fireproof | class A rated, non-combustible materials,
 High strength toughened glass, roof maintenance friendly.

PV Color Steel Tile System 355-375 Watt

Standard & Certificate

- IEC61215(2016) · GB 8624 · ISO9001: 2015, Quality Management System
- IEC61730(2016) · ISO14001: 2015, Environment Management System
- EN13501-1 · ISO45001: 2018, Occupational health and safety management



Key Features



Waterproof

Frameless double glass PV module forms perfect waterproof capacity and drainage system



Long reliability

Dual glass structure guarantees lower risk of crack, better corrosion resistance and no diffusivity



Dual function

Replacing conventional building envelope materials, with functions of building skin and power generator



High efficiency

Higher-density cell arrangement can put more cells per unit area and achieve higher efficiency



Strong safety

Double layers of tempered glass with class A of fireproofing leads to better wind load, heat resistance and frost resistance



Architectural design element

Inherent advantages of integration in module design

SPECIFICATIONS

Module Type	JKBS355N-48HL4-BDV		JKBS360N-48HL4-BDV		JKBS365N-48HL4-BDV		JKBS370N-48HL4-BDV		JKBS375N-48HL4-BDV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	355Wp	267Wp	360Wp	271Wp	365Wp	274Wp	370Wp	278Wp	375Wp	282Wp
Maximum Power Voltage (Vmp)	28.09V	26.31V	28.28V	26.49V	28.47V	26.70V	28.66V	26.86V	28.85V	27.02V
Maximum Power Current (Imp)	12.64A	10.15A	12.73A	10.22A	12.82A	10.28A	12.91A	10.36A	13.00A	10.44A
Open-circuit Voltage (Voc)	33.88V	32.18V	33.97V	32.27V	34.06V	32.35V	34.23V	32.51V	34.40V	32.67
Short-circuit Current (Isc)	13.33A	10.76A	13.38A	10.80A	13.43A	10.84A	13.53A	10.92A	13.63A	11.00A
Module Efficiency STC (%)	20.35%		20.63%		20.92%		21.20%		21.49%	
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)	-0.30%/°C									
Temperature Coefficients of (Voc)	-0.25%/°C									
Temperature Coefficients of (Isc)	0.046%/°C									
Nominal Operating Cell Temperature (NOCT)	45±2°C									

Mechanical Characteristics

Thickness of Color Steel: 0.6mm	Cell Type: N-type Cell	Weight: 20 kg	Output Cables:
Strength of Color Steel: ≥Q345	Number of Half-cells: 96(8x12)	Front/Back Glass: 2.0mm strength toughened glass	TÜV x4.0mm²,
Thickness of Coating: >150g/m²	Dimensions: 2272×768×5mm	Junction Box: IP68 Rated	or Customized Length

Packaging Configuration

(Two pallets = One stack)

32pcs/pallet, 64pcs/stack, 640pcs/40'HQ Container

©2022 Jinko Solar Co., Ltd. All rights reserved. JKBS355-375N-48HL4-BDV-EN-D2
 The specifications in this catalogue are only for reference, the specific data shall be subject to the actual products.