

EU Product Catalogue 2021

Building Your Trust in Solar

www.jinkosolar.eu



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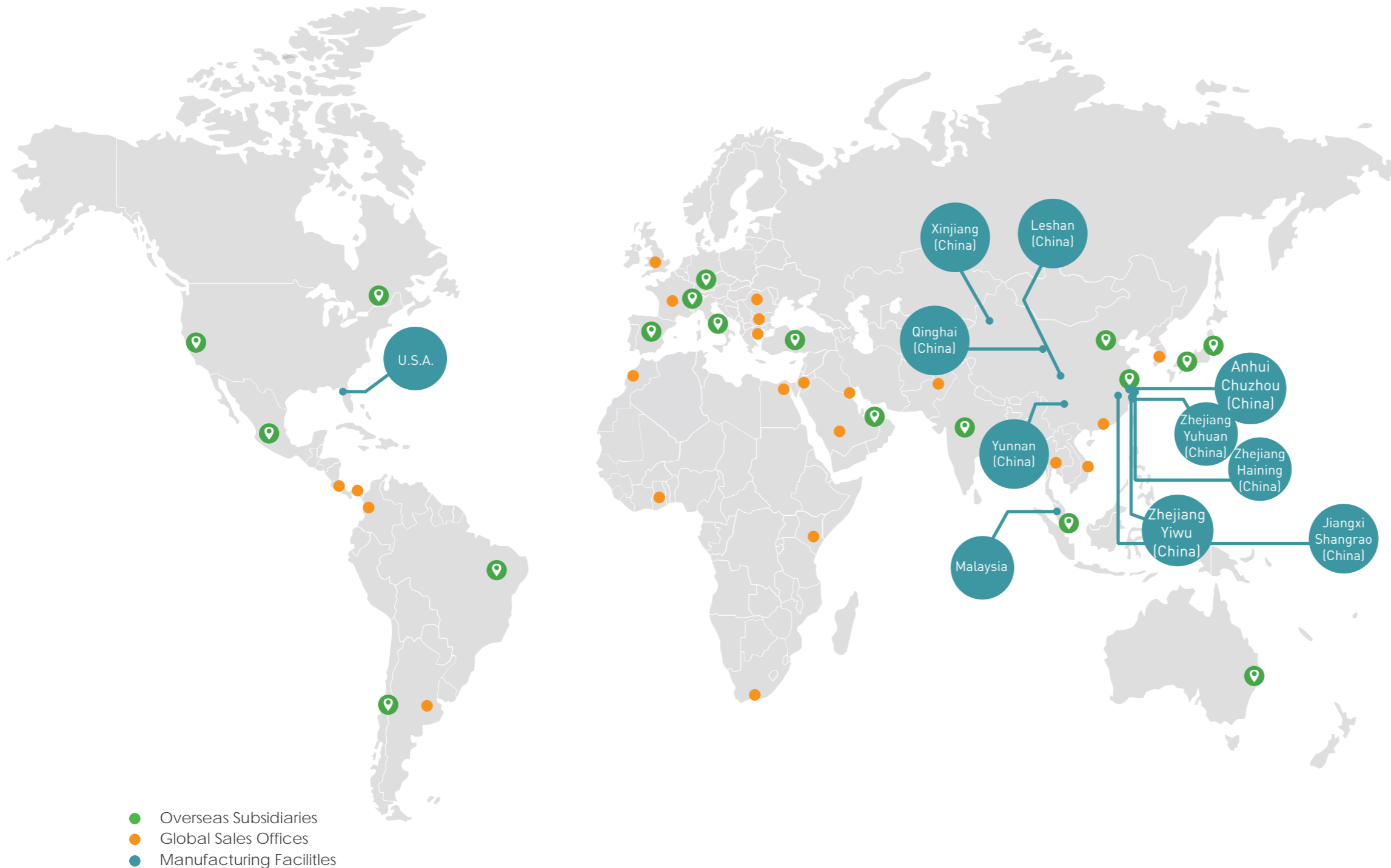
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World's No.1 Shipment for 4 Consecutive Years

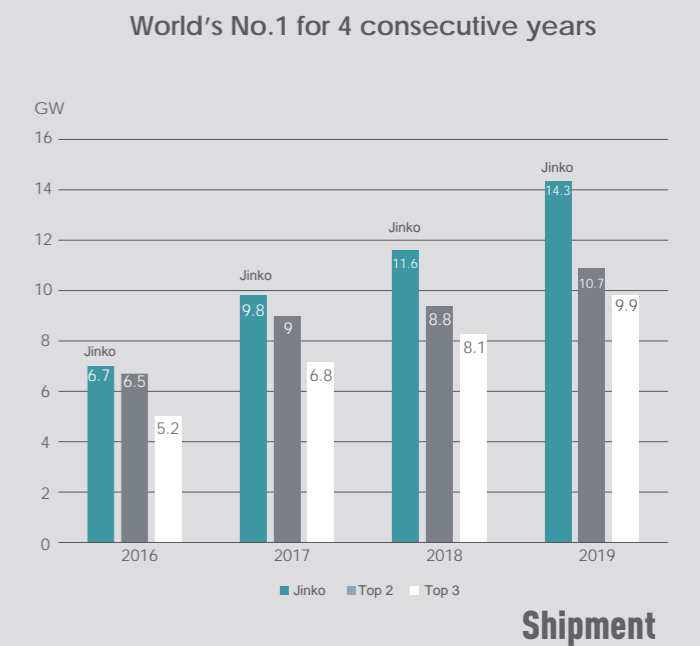
JinkoSolar (NYSE: JKS) is one of the largest and most innovative solar module manufacturers in the world. JinkoSolar distributes its solar products and sells its solutions and services to a diversified international utility, commercial and residential customer base in more than 150 countries.

As of December 31, 2020, JinkoSolar has delivered more than 70GW solar panels globally, which makes JinkoSolar the world's largest photovoltaic module manufacturer in terms of cumulative shipments.




Stable and Sustained Growth


JinkoSolar is unique because of its proven track record of scalability and capital efficient business model. The Company's business and financial result in 2019 were one of the best in its history, with record high sales of 14.3 GW solar panels, making Jinko No.1. in terms of shipments for the 4th consecutive year in a row, providing not only earnings stability but also earnings growth. Each of its business segment delivered a strong performance, which shaped Jinkosolar over the last ten years to derive a greater share of market, sales, customers and revenue from relatively stable business. These relatively stable factors enable JinkoSolar to consistently rank as a solar industry leader.




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.

 **1347**
Patent Applications

 **94**
Invention Patents

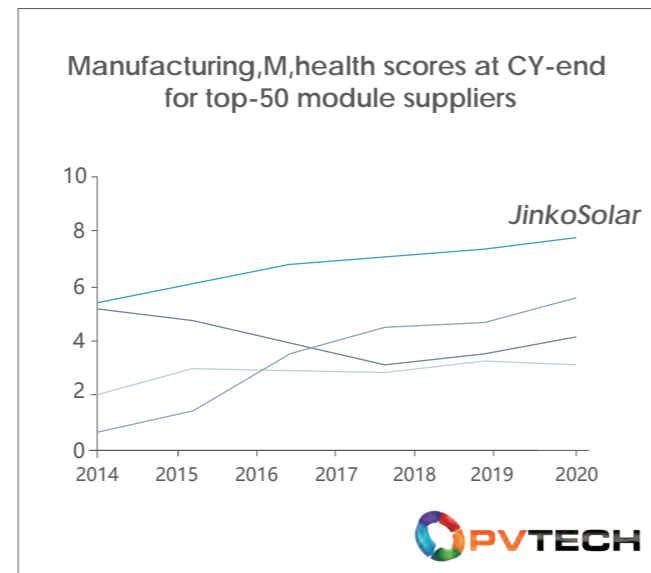
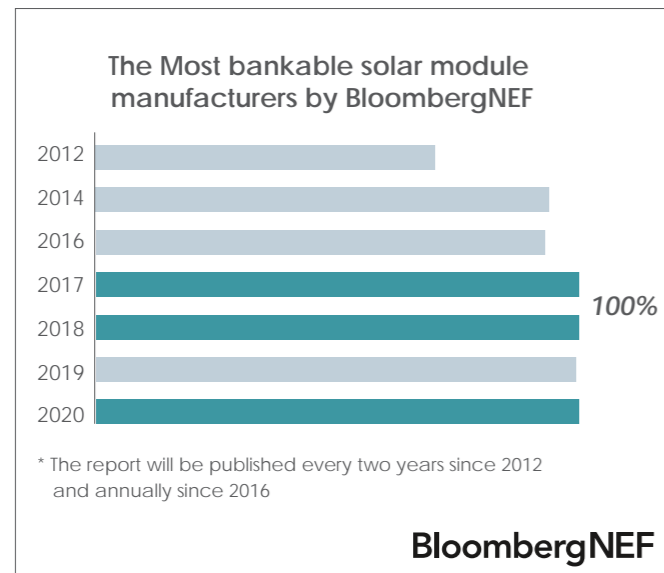
 **958**
Authorized Patents

 **900+**
R&D Team

 **1.124** Billion RMB R&D Expenditure

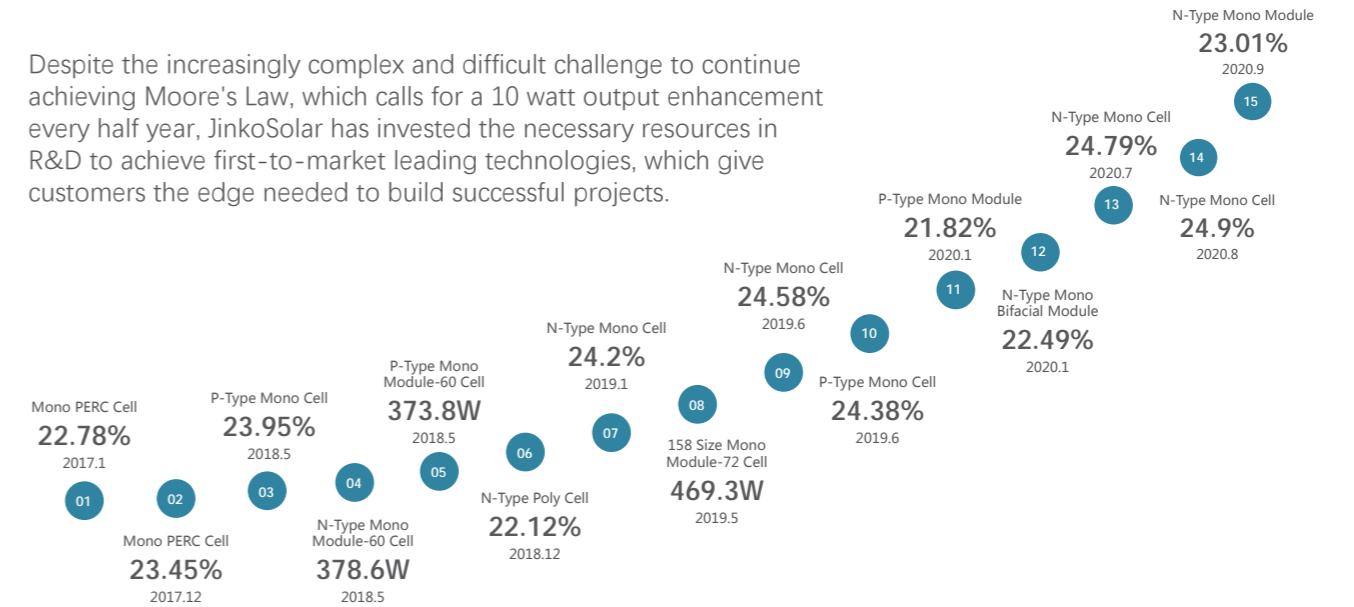
Long History of Bankability

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.



History of World Records

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.



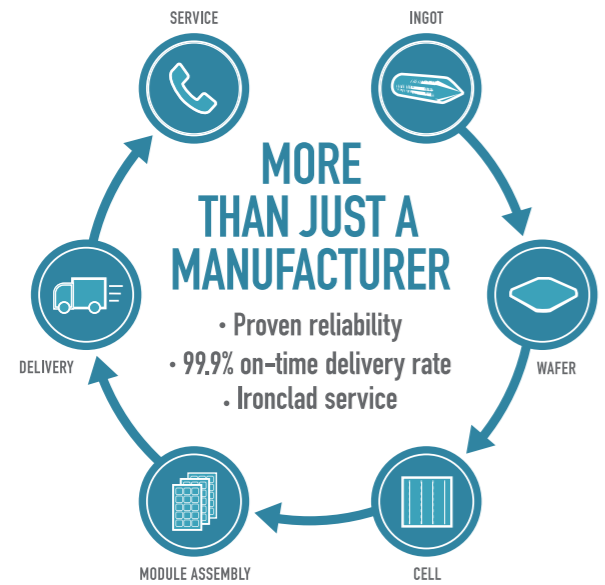
Robust Quality Certified

In 2020, JinkoSolar again ranks as a "Top Performer" in the DNV-GL PV Module Reliability Scorecard, for sixth 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.



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

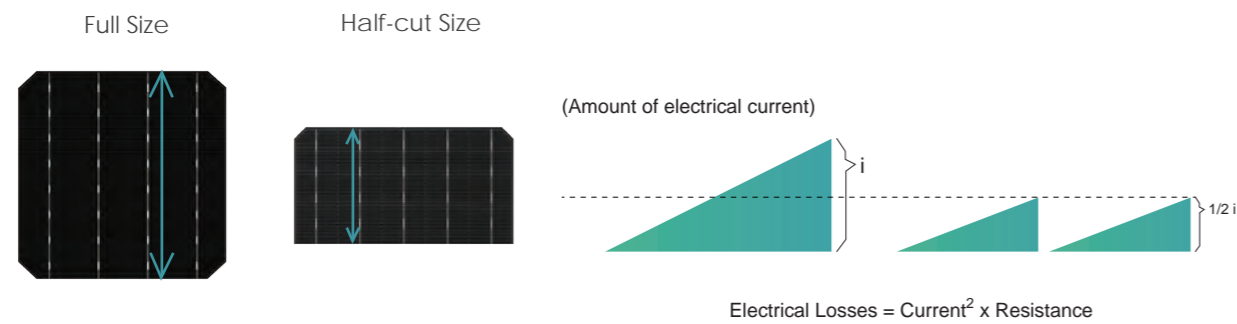
TECHNOLOGY

Half-Cell (HC) Technology

Lower Energy Losses

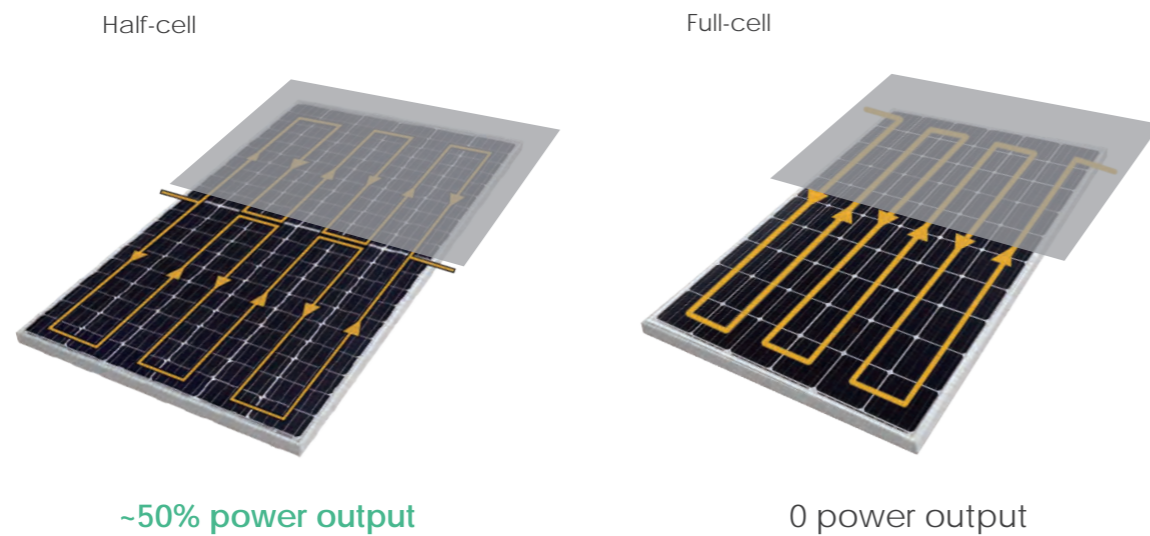
By using half-cells, the electrical current (i) flowing in each busbar is halved.

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



Lower Shading Loss

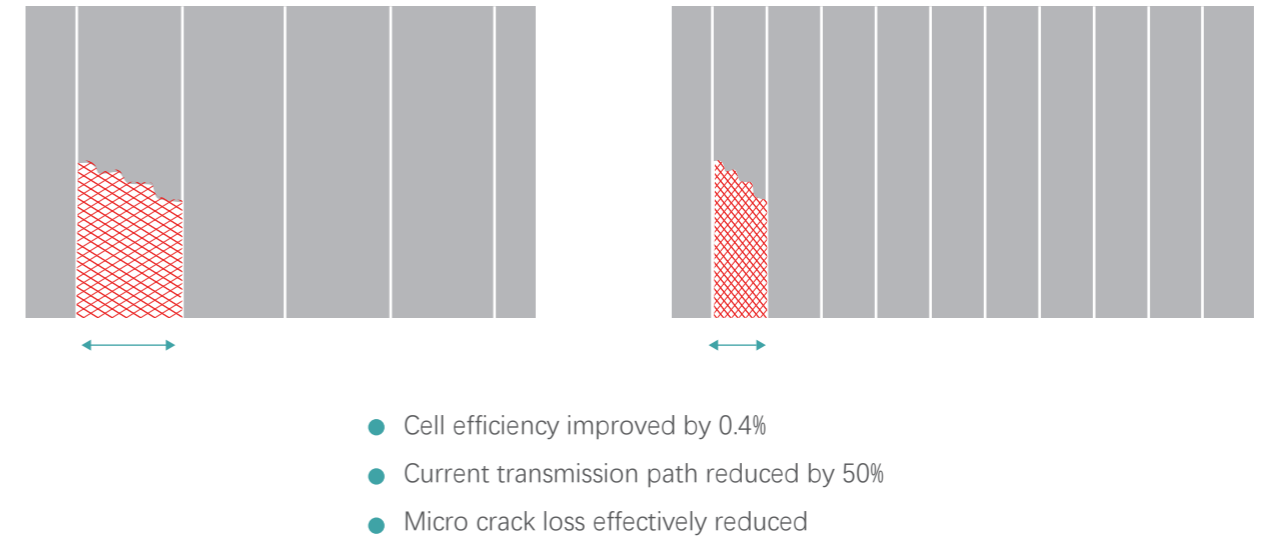
Shading loss of half-cell is improved compared to a regular module in specific shading conditions.



Multi-Busbar Technology

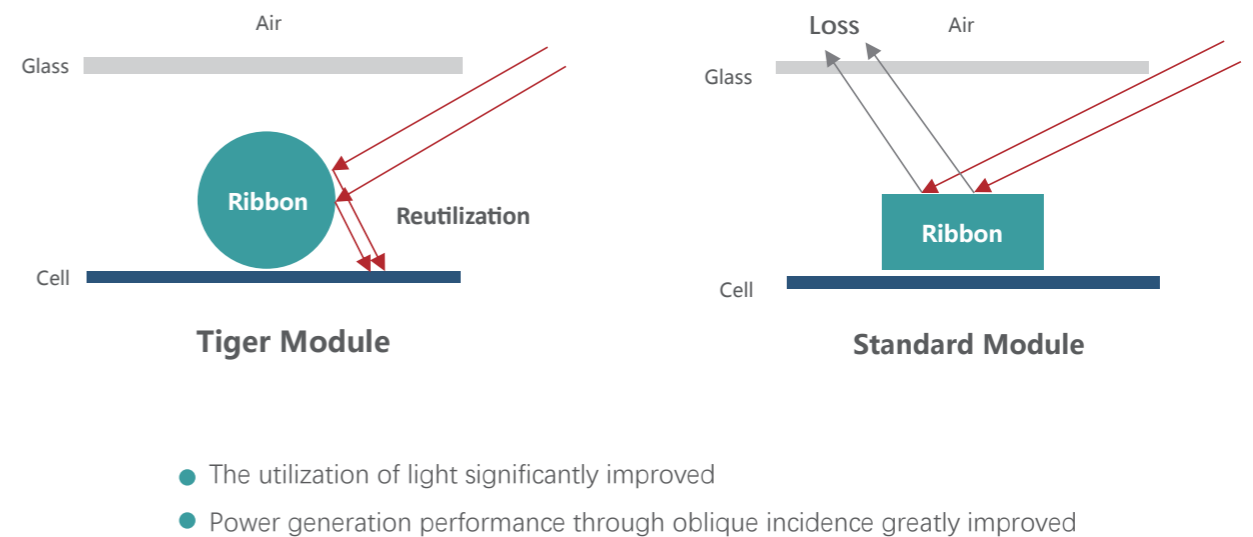
Lower Microcrack Loss

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



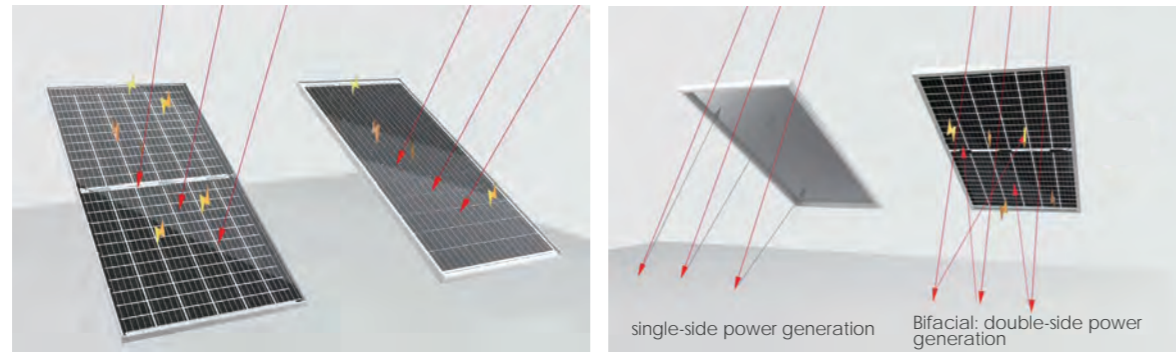
Circular Ribbon Brings More Energy

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.



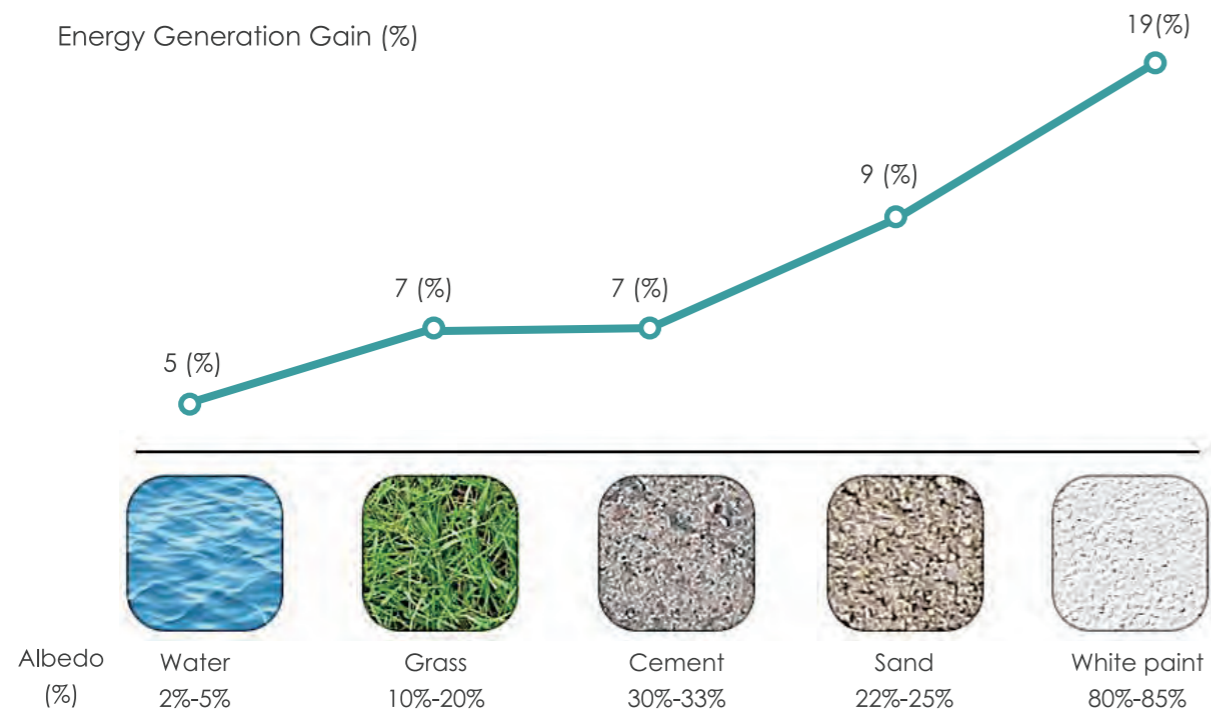
Bifacial Technology

Maximized Energy Generation

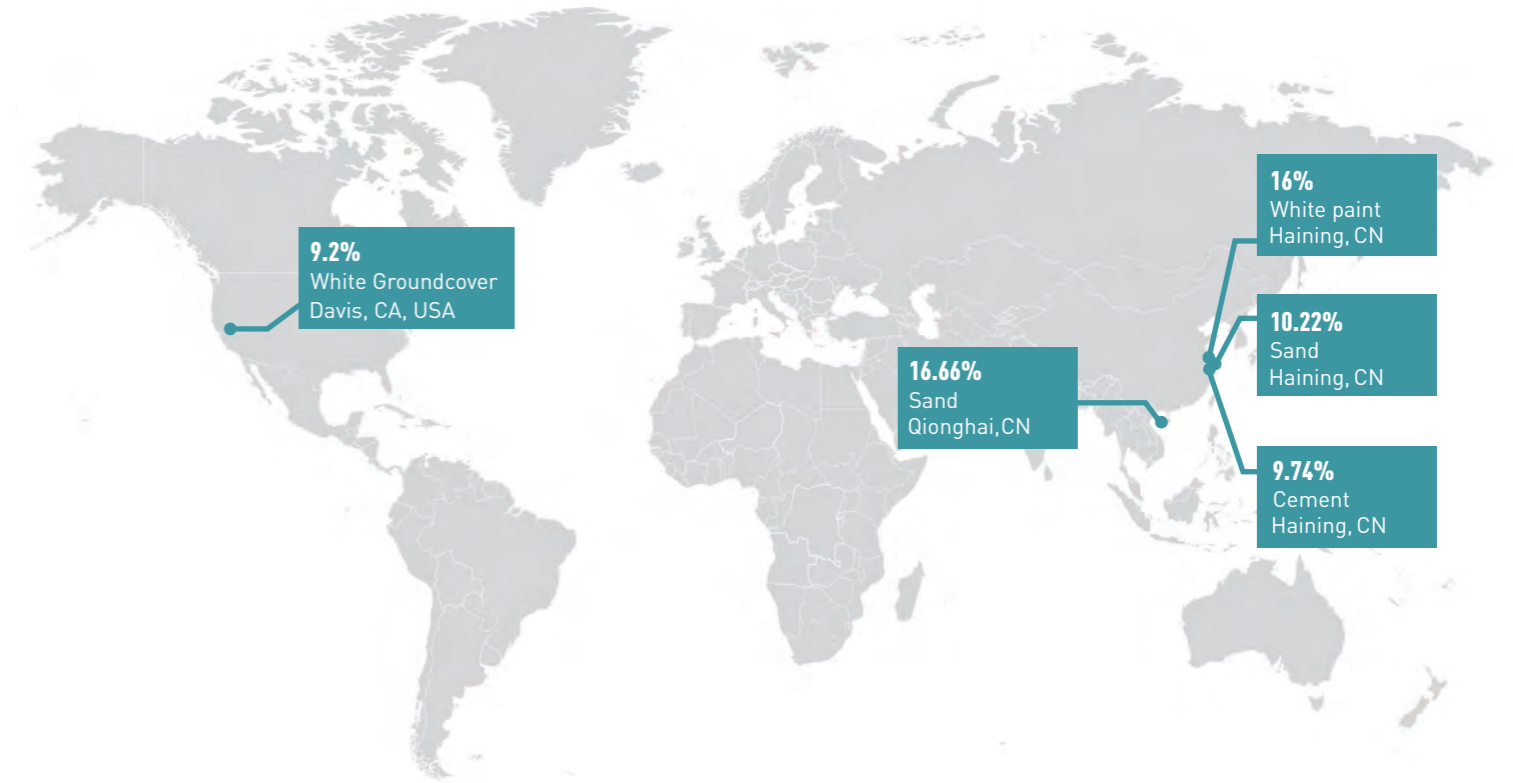


↑ Up to 25% power gain depending on albedo and PV system design

Real Energy Generation Gain



Bifacial Case Study

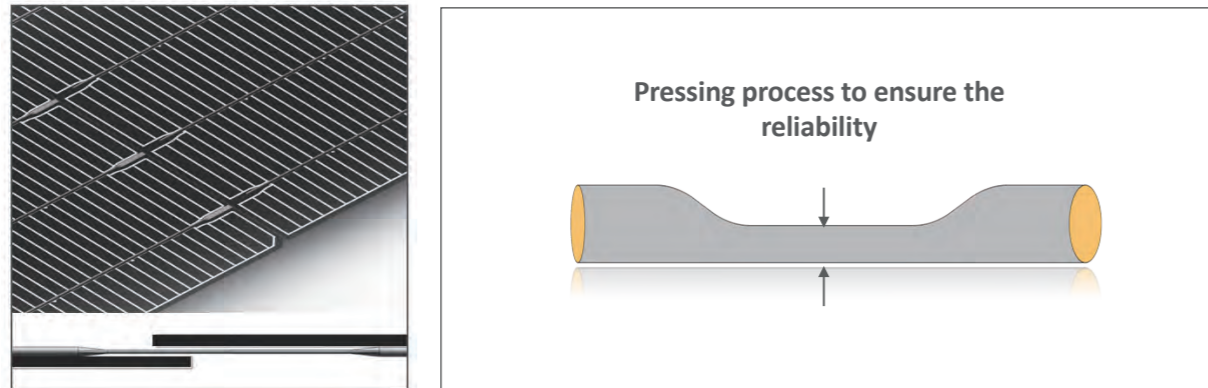


Location	Test Performer	Types of Ground	Type of Installation	Module Type	Test Type	Test Duration	Bifacial Gain
Haining, Zhejiang province, CN	Chinese Academy of Sciences	White paint	Fixed (Module elevation: 1.2m, Tilt: 30°)	Bifacial with dual glass Monofacial with dual glass	Module level	2018.5.23 - 2019.1.17	16%
Haining, Zhejiang province, CN	Chinese Academy of Sciences	Sand	Fixed (Module elevation: 1.2m, Tilt: 30°)	Swan bifacial with transparent backsheet Cheetah Monofacial Module	Module level	2019.2.1 - present	10.22%
Haining, Zhejiang province, CN	Chinese Academy of Sciences	Cement	Fixed (Module elevation: 0.7m, Tilt: 30°)	Swan bifacial with transparent backsheet Cheetah Monofacial Module	String level	2019.8.2 - present	9.74%
Qionghai, Haining province, CN	China Quality Certification centre (CQC)	Sand	Tracking (Module elevation: 2.7m, 2P tracker)	Swan bifacial with transparent backsheet Cheetah Monofacial Module	String level	2019.10.23 - present	16.66%
Davis, CA, USA	PVEL	White Groundcover (albedo 47%)	Tracking (Module elevation: 1.5m, 1P tracker)	Swan bifacial with transparent backsheet Cheetah Monofacial Module	String level	2019.10.18 - present	9.2%

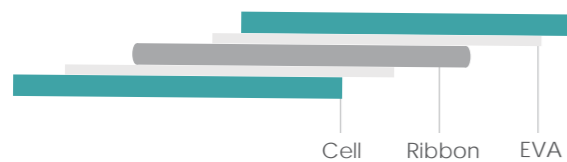
Tiling Ribbon Technology

Pressing Process to Ensure the Reliability

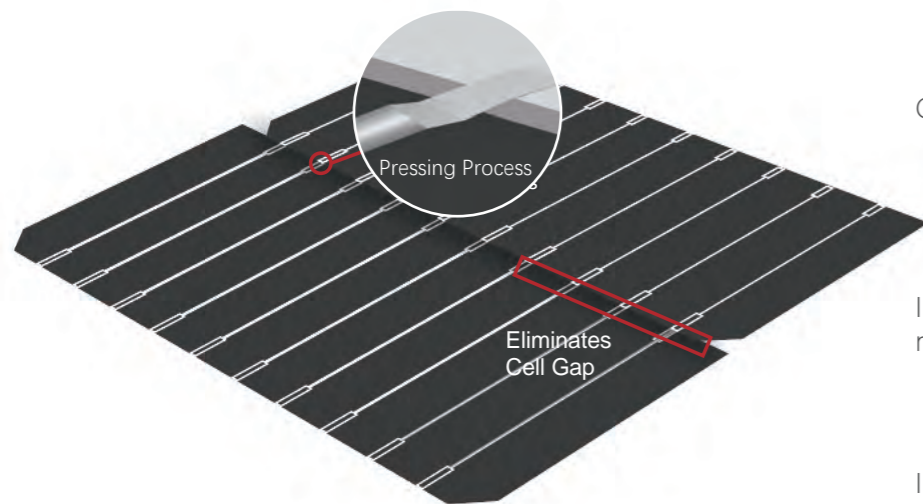
Comparing with 5BB modules, Jinko circular ribbon has better suppleness, after the pressing process, it performs excellent reliability.



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**

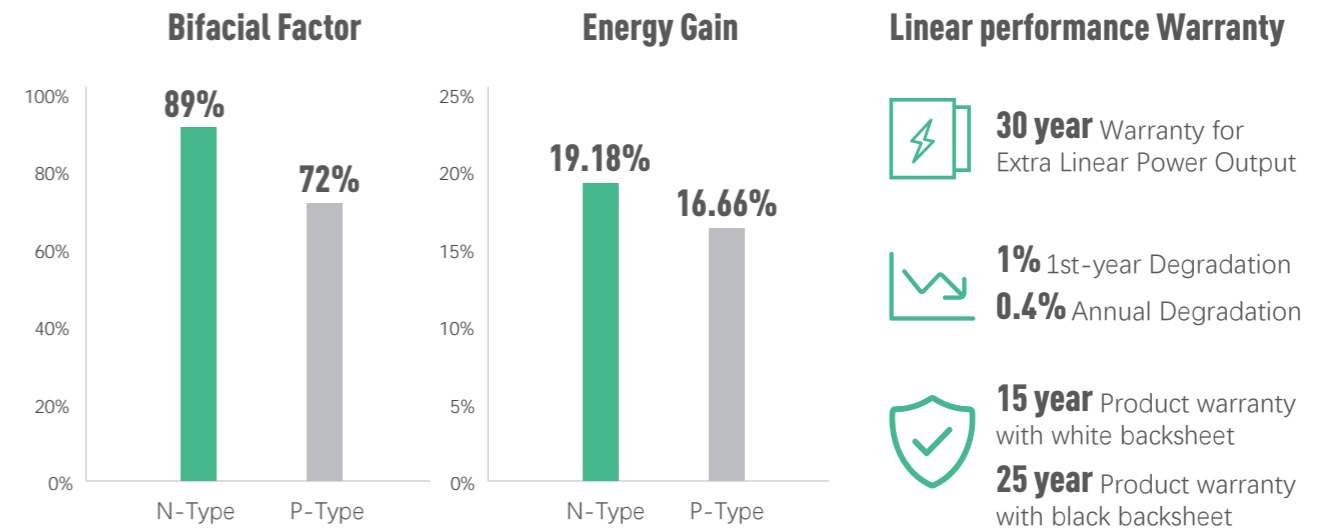
Increased module efficiency **0.4%**

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 Ptype



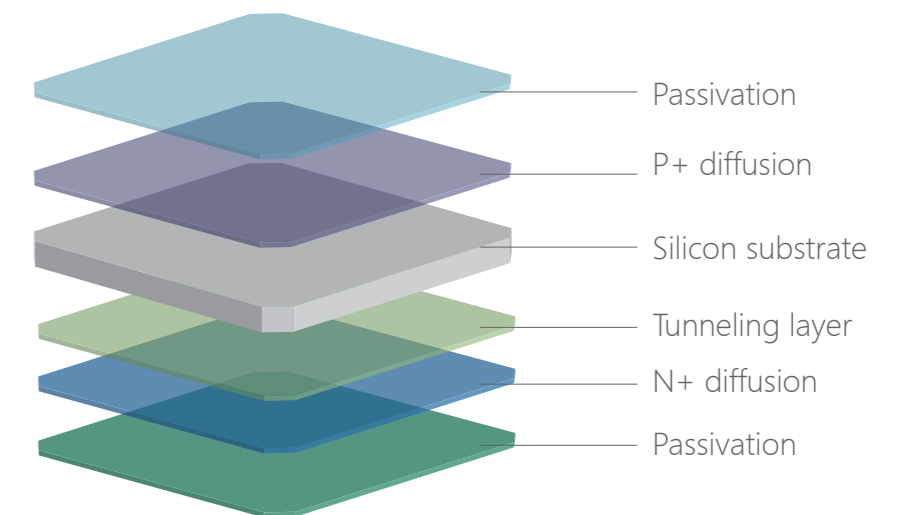
*Module level field test results, sand ground, 2P tracker, Hainan province, China

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% and has a broad application prospect in the near future.

24.9%
Cell efi. world record

24%
Mass production Cell efi.



TIGER Pro Series



Designed for
Residential
Commercial
Utility



Customer Benefits

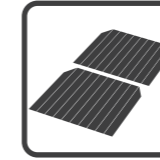
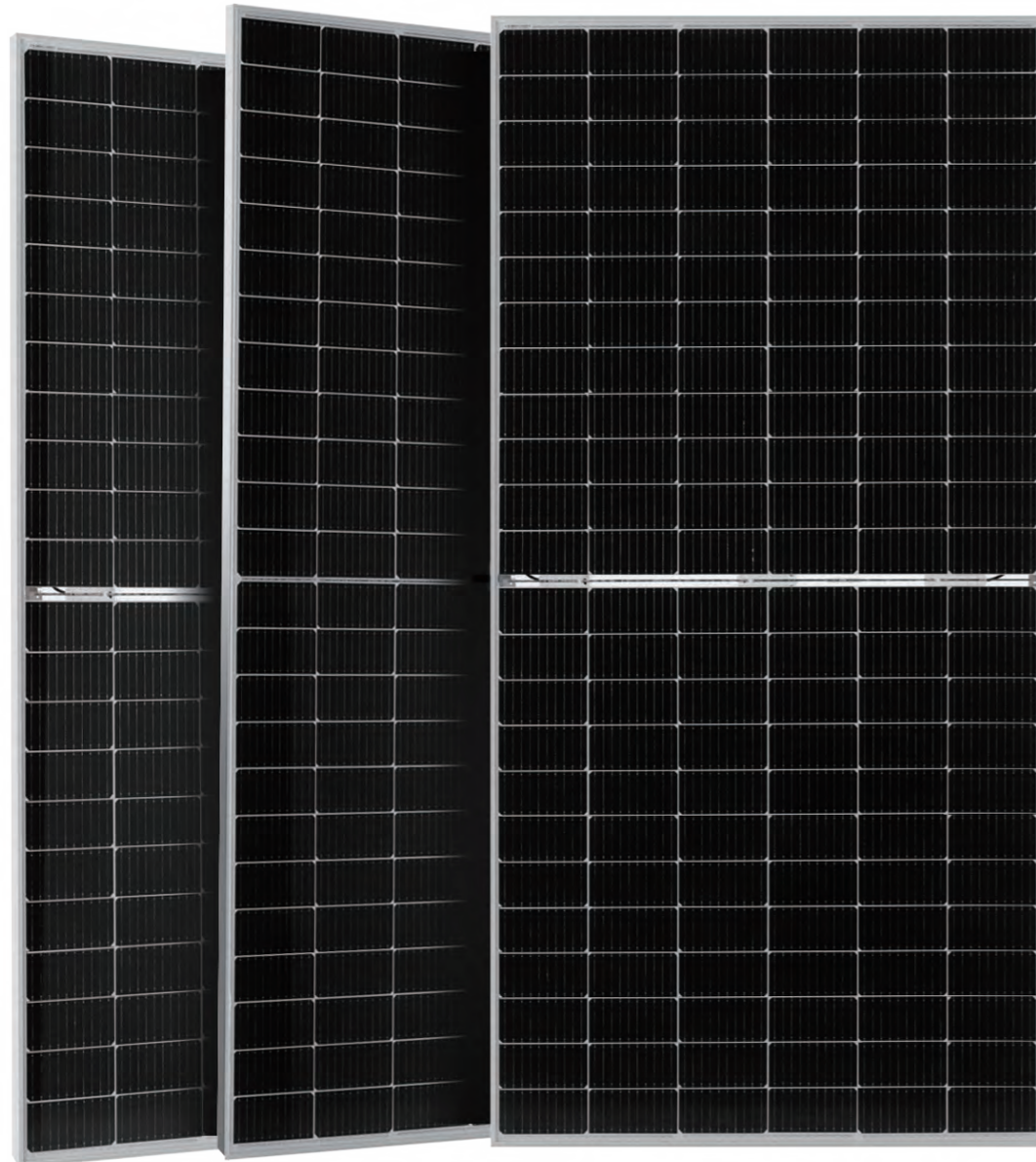
Complete System and Product Certificates

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018: Occupational health and safety management systems



Multi Busbar



PID Resistance



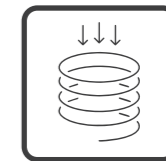
Higher Lifetime Power Yield



Saving BOS Cost



Higher power output



Severe Weather Resilience



Low-light Performance



Durability Against Extreme Environmental Conditions



High Efficiency

Product Codes

of cells

Size/Weight

JKM***M-54HL4-V*

108 cells (6x18)

1718x1134x30mm / 22kg

JKM***M-72HL4-V*

144 cells (6x24)

2274x1134x35mm / 28.9kg

JKM***M-72HL4-TV*

144 cells (6x24)

2274x1134x35mm / 28.9kg

JKM***M-72HL4-BDVP*

144 cells (6x24)

2274x1134x30mm / 34.3kg

* Product not available for sales and/ or distribution in Germany

Tiger Pro 54HC

395-415 Watt

MONO-FACIAL MODULE

P-Type

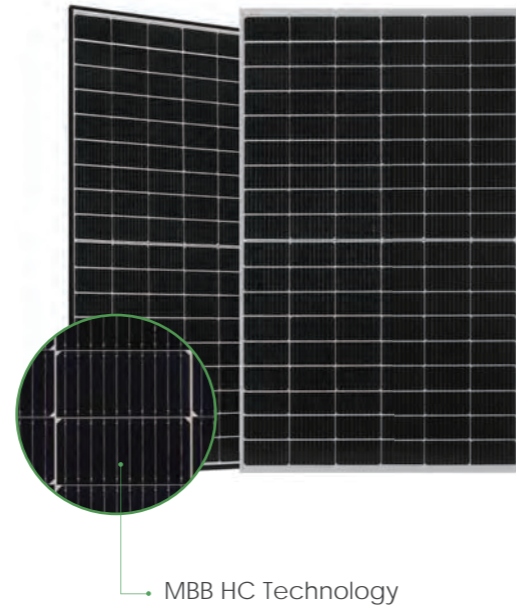
Positive power tolerance of 0~+3%

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.



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).

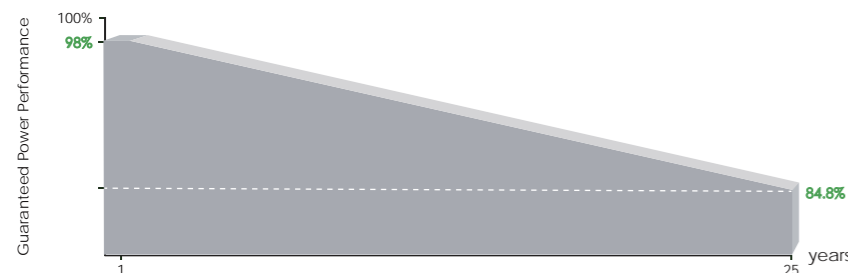


PID Resistance

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



LINEAR PERFORMANCE WARRANTY

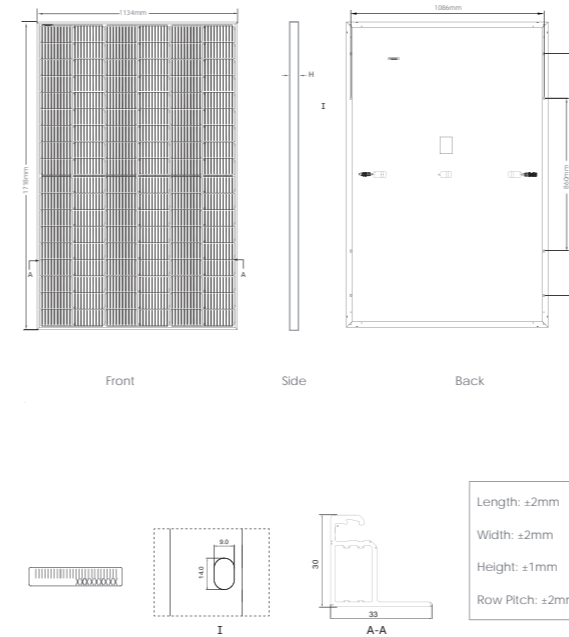


15 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

Engineering Drawings

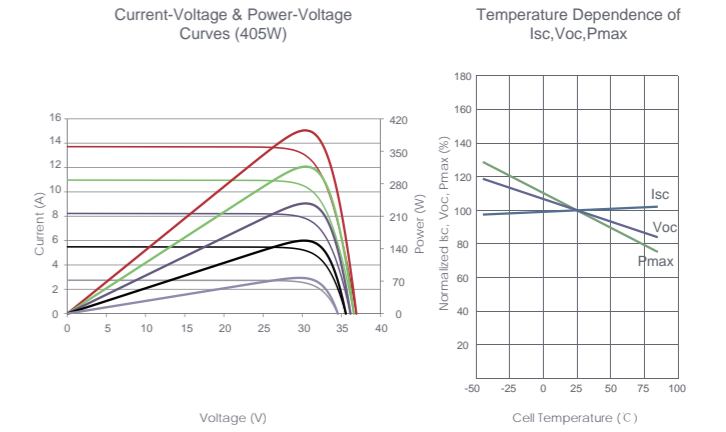


Packaging Configuration

(Two pallets = One stack)

35pcs/pallets, 70pcs/stack, 910pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	108 (2x54)
Dimensions	1718x1134x30mm (67.64x44.65x1.18 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

SPECIFICATIONS

Module Type	JKM395M-54HL4		JKM400M-54HL4		JKM405M-54HL4		JKM410M-54HL4		JKM415M-54HL4		
	JKM395M-54HL4-V	JKM400M-54HL4-V	JKM405M-54HL4-V	JKM410M-54HL4-V	JKM415M-54HL4-V	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	395Wp	294Wp	400Wp	298Wp	405Wp	301Wp	410Wp	305Wp	415Wp	309Wp	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	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	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	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	11.32A
Module Efficiency STC (%)	20.28%		20.53%		20.79%		21.04%		21.30%		
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

www.jinkosolar.com

Tiger Pro 72HC

530-550 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

Key Features



Multi Busbar Technology

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



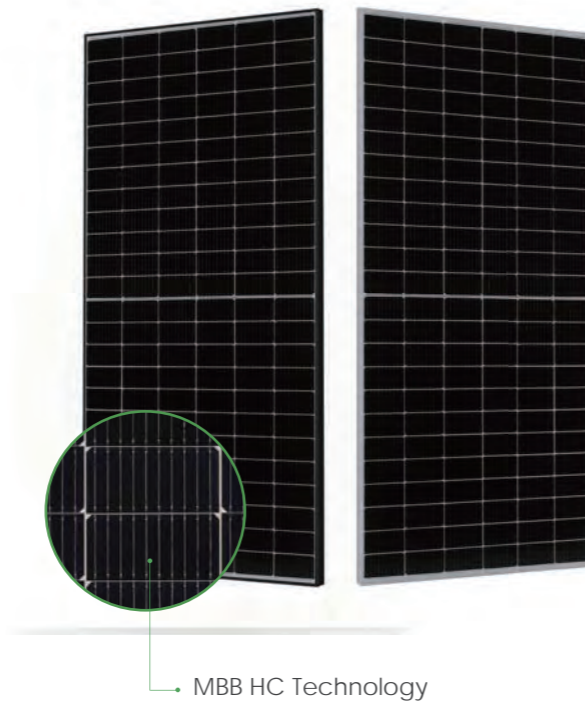
Reduced Hot Spot Loss

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.



MBB HC Technology



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

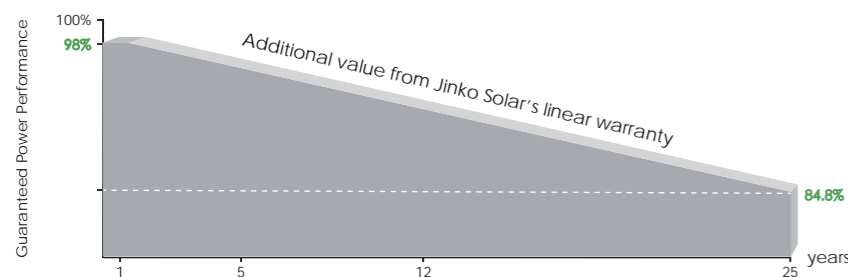


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

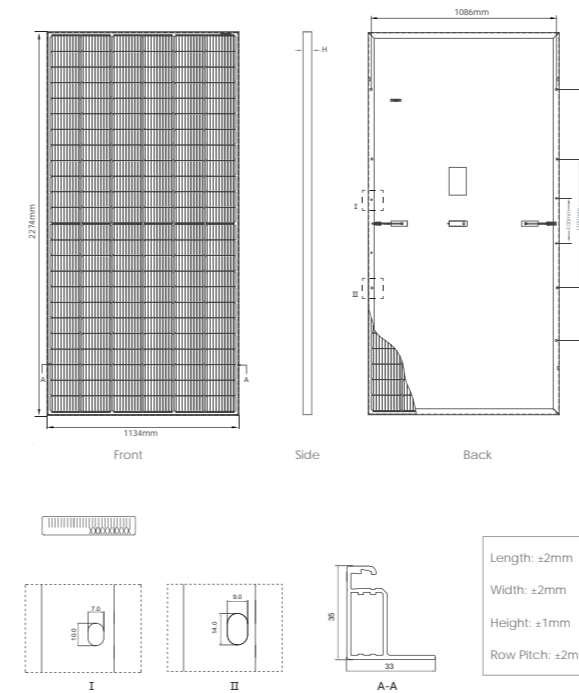


12 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

Engineering Drawings

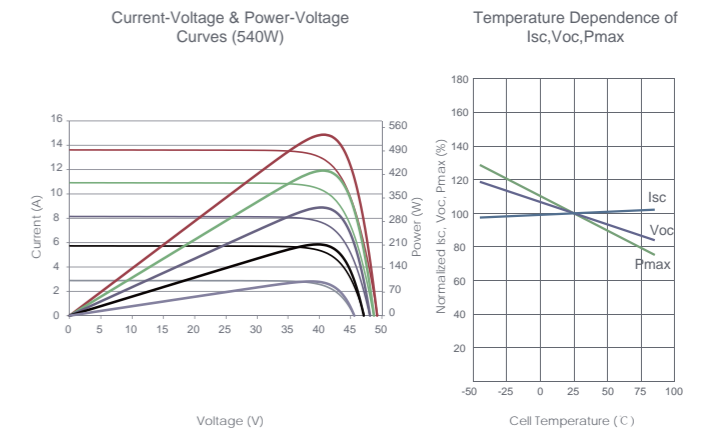


Packaging Configuration

(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 (6x24)
Dimensions	2274x1134x35mm (89.53x44.65x1.38 inch)
Weight	28.9 kg (63.7 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	JKM530M-72HL4		JKM535M-72HL4		JKM540M-72HL4		JKM545M-72HL4		JKM550M-72HL4	
	JKM530M-72HL4-V	JKM535M-72HL4-V	JKM540M-72HL4-V	JKM545M-72HL4-V	JKM550M-72HL4-V	JKM550M-72HL4-V	JKM550M-72HL4-V	JKM550M-72HL4-V	JKM550M-72HL4-V	JKM550M-72HL4-V
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	530Wp	394Wp	535Wp	398Wp	540Wp	402Wp	545Wp	405Wp	550Wp	409Wp
Maximum Power Voltage (Vmp)	40.56V	37.84V	40.63V	37.91V	40.70V	38.08V	40.80V	38.25V	40.90V	38.42V
Maximum Power Current (Imp)	13.07A	10.42A	13.17A	10.50A	13.27A	10.55A	13.36A	10.60A	13.45A	10.65A
Open-circuit Voltage (Voc)	49.26V	46.50V	49.34V	46.57V	49.42V	46.65V	49.52V	46.74V	49.62V	46.84V
Short-circuit Current (Isc)	13.71A	11.07A	13.79A	11.14A	13.85A	11.19A	13.94A	11.26A	14.03A	11.33A
Module Efficiency STC (%)	20.55%		20.75%		20.94%		21.13%		21.33%	
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

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Specifications included in this datasheet are subject to change without notice.

JKM530-550M-72HL4-(V)-F1-EN

www.jinkosolar.com



Tiger Pro 72HC-TV

525-545 Watt

BIFACIAL MODULE WITH TRANSPARENT BACKSHEET

P-Type

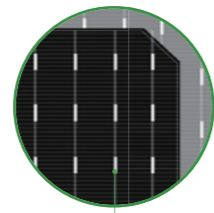
Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)

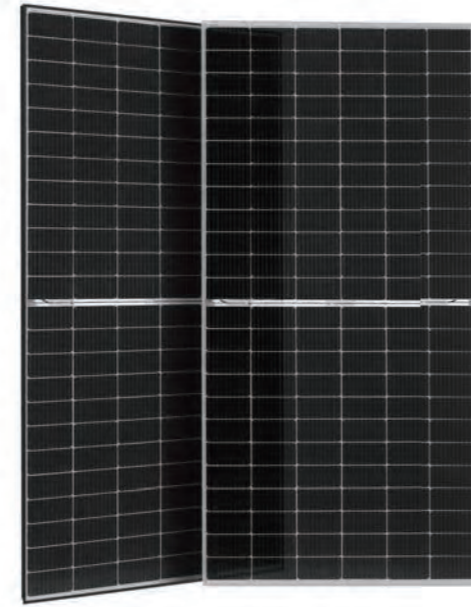
ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

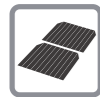
ISO45001:2018 Occupational health and safety management systems



Bifacial Technology



Key Features



Multi Busbar Technology

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



Light-weight design

Light-weight design using transparent backsheet for easy installation and low BOS cost.



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.

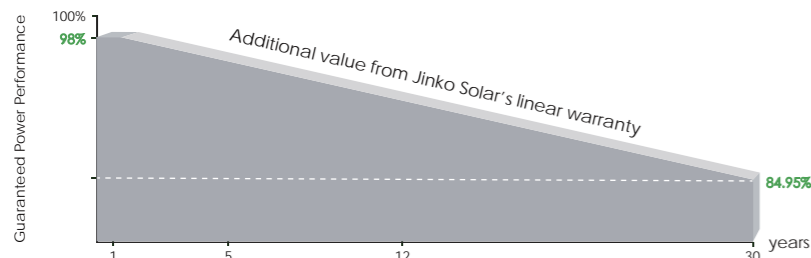


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

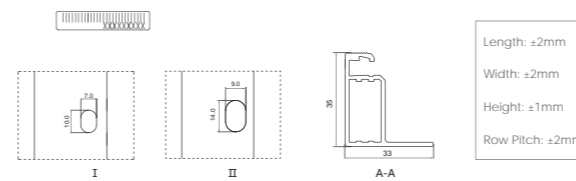
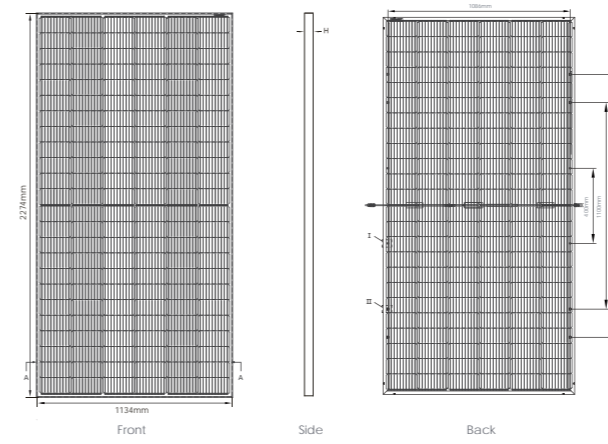


12 Year Product Warranty

30 Year Linear Power Warranty

0.45% Annual Degradation Over 30 years

Engineering Drawings

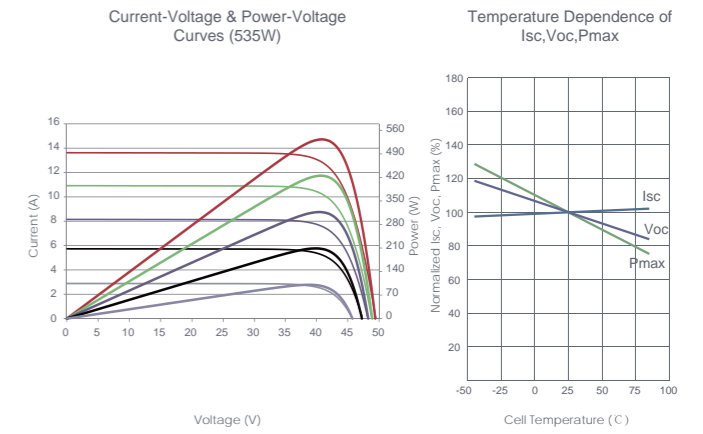


Packaging Configuration

(Two pallets = One stack)

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	2274×1134×35mm (89.53×44.65×1.38 inch)
Weight	28.9 kg (63.7 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	JKM525M-72HL4-TV		JKM530M-72HL4-TV		JKM535M-72HL4-TV		JKM540M-72HL4-TV		JKM545M-72HL4-TV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	525Wp	391Wp	530Wp	394Wp	535Wp	398Wp	540Wp	402Wp	545Wp	405Wp
Maximum Power Voltage (Vmp)	40.61V	37.74V	40.71V	37.88V	40.81V	37.98V	40.91V	38.08V	41.07V	38.18V
Maximum Power Current (Imp)	12.93A	10.35A	13.02A	10.41A	13.11A	10.48A	13.20A	10.55A	13.27A	10.62A
Open-circuit Voltage (Voc)	49.27V	46.50V	49.35V	46.58V	49.42V	46.65V	49.49V	46.71V	49.65V	46.86V
Short-circuit Current (Isc)	13.64A	11.02A	13.71A	11.07A	13.79A	11.14A	13.87A	11.20A	13.94A	11.26A
Module Efficiency STC (%)	20.36%		20.55%		20.75%		20.94%		21.13%	
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-REARSIDE POWER GAIN

		551Wp	557Wp	562Wp	567Wp	572Wp
5%	Maximum Power (Pmax)	551Wp	557Wp	562Wp	567Wp	572Wp
	Module Efficiency STC (%)	21.38%	21.58%	21.78%	21.99%	22.19%
15%	Maximum Power (Pmax)	604Wp	610Wp	615Wp	621Wp	623Wp
	Module Efficiency STC (%)	23.41%	23.64%	23.86%	24.08%	24.30%
25%	Maximum Power (Pmax)	656Wp	663Wp	669Wp	675Wp	681Wp
	Module Efficiency STC (%)	25.45%	25.69%	25.93%	26.18%	26.42%

*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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Specifications included in this datasheet are subject to change without notice.

JKM525-545M-72HL4-TV-F1-EN

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Tiger Pro 72HC-BDVP

525-545 Watt

BIFACIAL MODULE WITH DUAL GLASS

P-Type

Positive power tolerance of 0~+3%

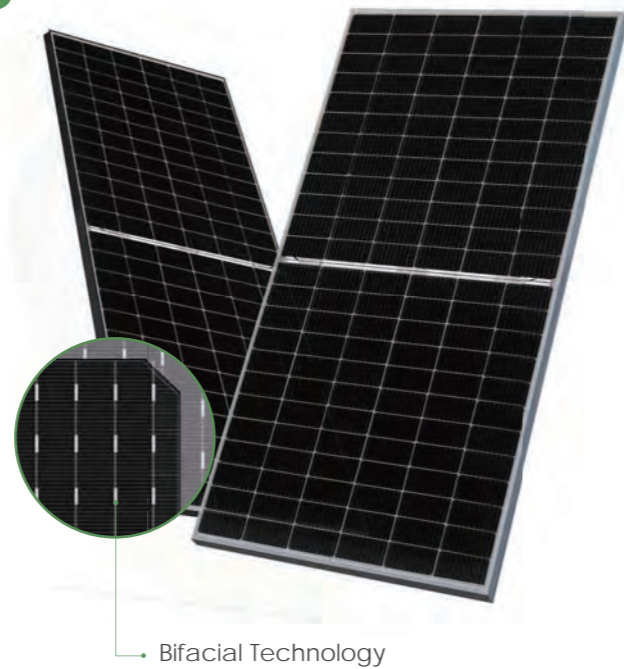
IEC61215(2016), IEC61730(2016)

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.

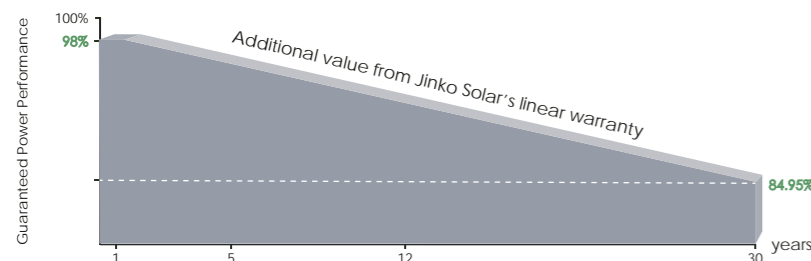


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

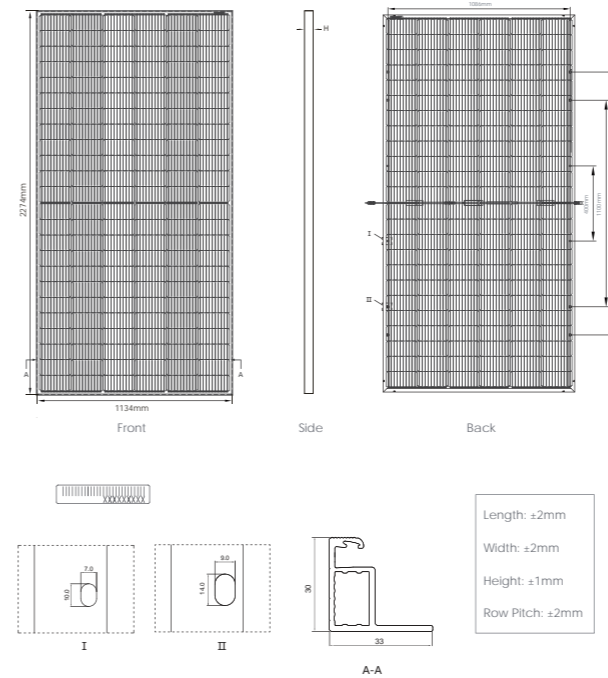


12 Year Product Warranty

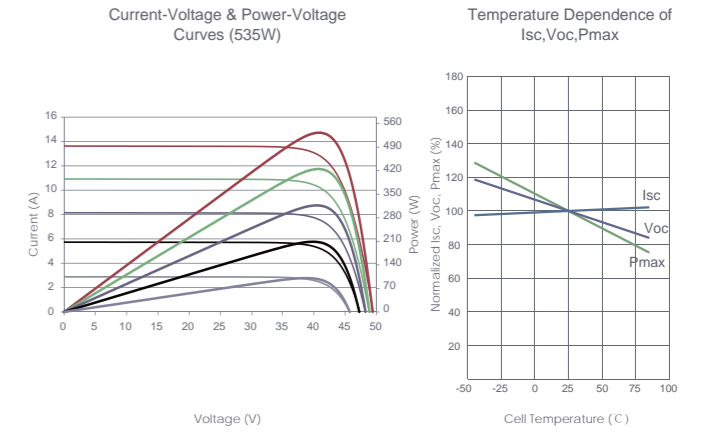
30 Year Linear Power Warranty

0.45% Annual Degradation Over 30 years

Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2274×1134×30mm (89.53×44.65×1.18 inch)
Weight	34.3 kg (75.6 lbs)
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Anti-Reflection Coating
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm ² (+): 400mm, (-): 200mm or Customized Length

Packaging Configuration

(Two pallets = One stack)

35pcs/pallets, 70pcs/stack, 630pcs/ 40'HQ Container

SPECIFICATIONS

Module Type	JKM525M-72HL4-BDVP		JKM530M-72HL4-BDVP		JKM535M-72HL4-BDVP		JKM540M-72HL4-BDVP		JKM545M-72HL4-BDVP	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	525Wp	391Wp	530Wp	394Wp	535Wp	398Wp	540Wp	402Wp	545Wp	405Wp
Maximum Power Voltage (Vmp)	40.80V	37.81V	40.87V	37.88V	40.94V	37.94V	41.13V	38.08V	41.32V	38.25V
Maximum Power Current (Imp)	12.87A	10.33A	12.97A	10.41A	13.07A	10.49A	13.13A	10.55A	13.19A	10.60A
Open-circuit Voltage (Voc)	49.42V	46.65V	49.48V	46.70V	49.54V	46.76V	49.73V	46.94V	49.92V	47.12V
Short-circuit Current (Isc)	13.63A	11.01A	13.73A	11.09A	13.83A	11.17A	13.89A	11.22A	13.95A	11.27A
Module Efficiency STC (%)	20.36%		20.55%		20.75%		20.94%		21.13%	
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

%	Maximum Power (Pmax)	551Wp	557Wp	562Wp	567Wp	572Wp
		Module Efficiency STC (%)	21.38%	21.58%	21.78%	21.99%
15%	Maximum Power (Pmax)	604Wp	610Wp	615Wp	621Wp	623Wp
	Module Efficiency STC (%)	23.41%	23.64%	23.86%	24.08%	24.30%
25%	Maximum Power (Pmax)	656Wp	663Wp	669Wp	675Wp	681Wp
	Module Efficiency STC (%)	25.45%	25.69%	25.93%	26.18%	26.42%

*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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Specifications included in this datasheet are subject to change without notice.

JKM525-545M-72HL4-BDVP-F1-EN

TIGER LM Series



Designed for
Residential
Commercial
Utility



Customer Benefits

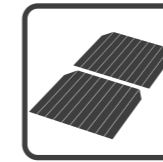
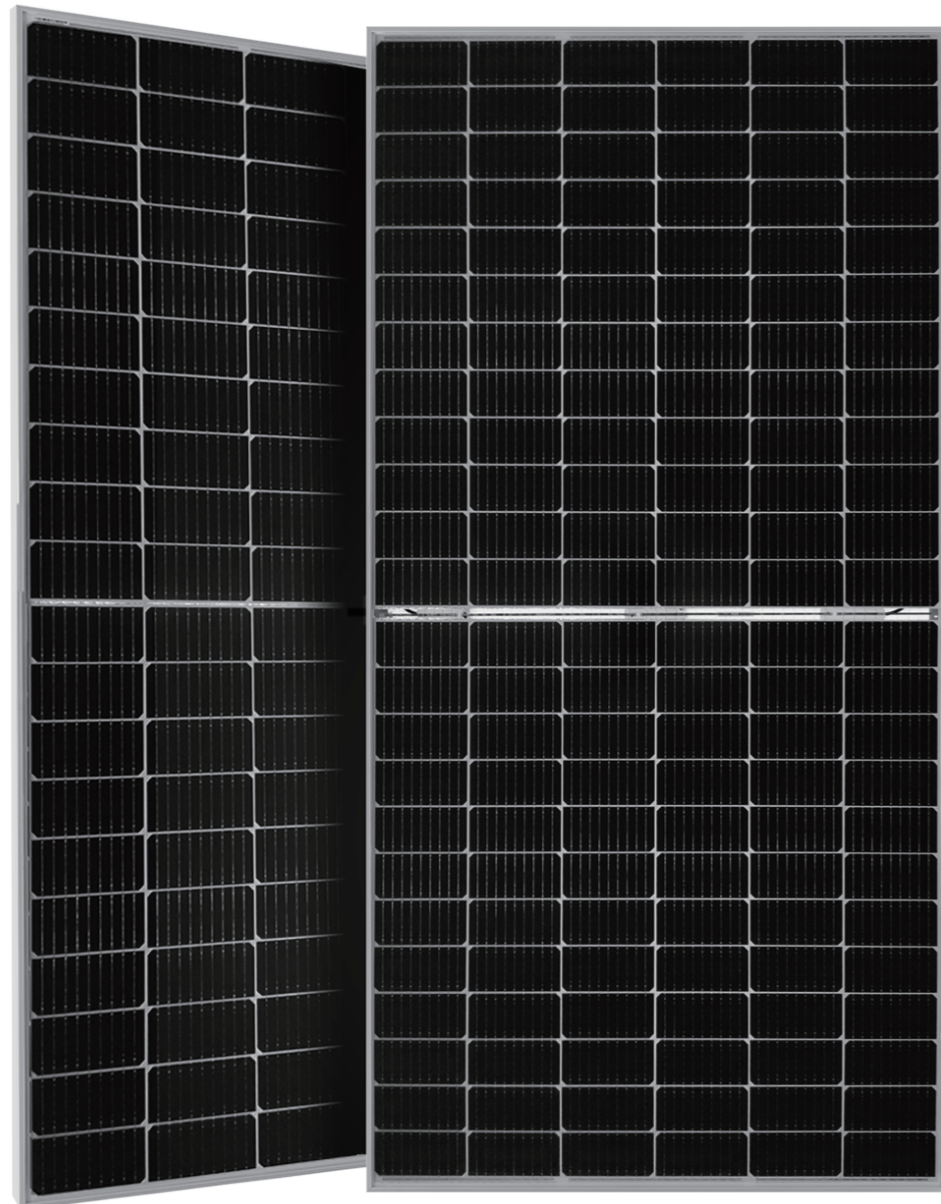
Complete System and Product Certificates

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018: Occupational health and safety management systems



Multi Busbar



PID Resistance



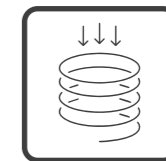
Higher Lifetime Power Yield



Saving BOS Cost



Higher power output



Severe Weather Resilience



Low-light Performance



Durability Against Extreme Environmental Conditions



High Efficiency

Product Codes

of cells

Size/Weight

JKM***M-72HLM-(V)*

144 cells (6×24)

2096×1039×35mm / 25.1kg

JKM***M-72HLM-BDVP*

144 cells (6×24)

2096×1039×30mm / 28.1kg

* Product not available for sales and/ or distribution in Germany

www.jinkosolar.com



Tiger LM 72HC

435-455 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

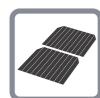
ISO45001:2018

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.



Enhanced Mechanical Load

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

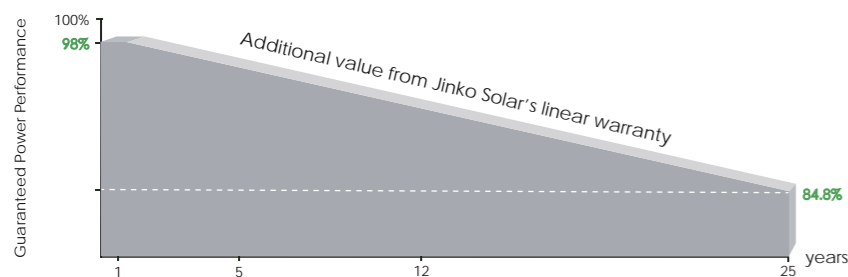


Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



LINEAR PERFORMANCE WARRANTY

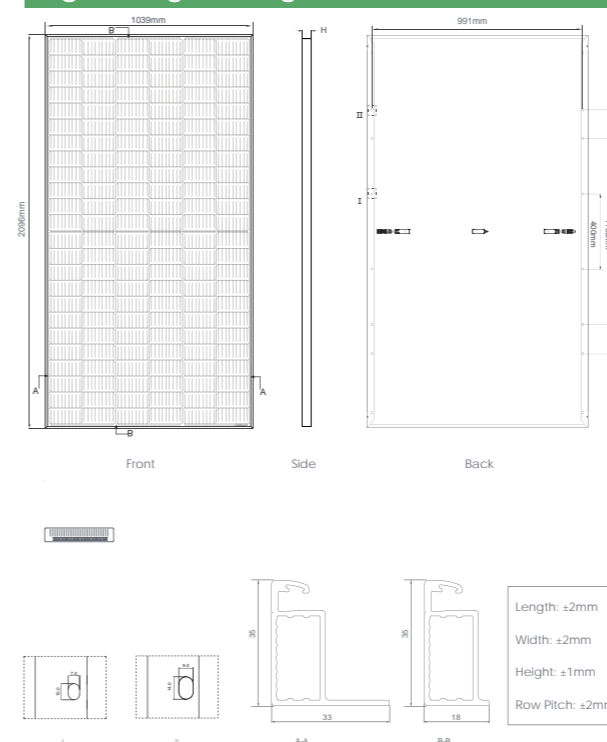


12 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

Engineering Drawings

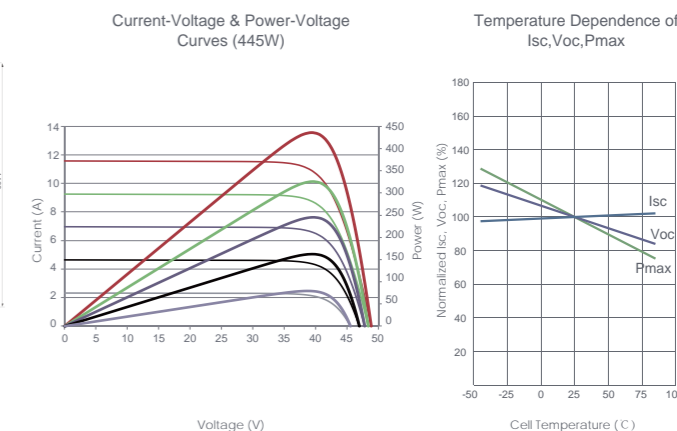


Packaging Configuration

(Two pallets = One stack)

31pcs/pallets, 62pcs/stack, 682pcs/40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono PERC 166x166mm
No. of cells	144 (6x24)
Dimensions	2096x1039x35mm (82.52x40.91x1.38 inch)
Weight	25.1kg (55.34 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 (+): 290mm, (-): 145mm or Customized Length

SPECIFICATIONS

Module Type	JKM435M-72HLM		JKM440M-72HLM		JKM445M-72HLM		JKM450M-72HLM		JKM455M-72HLM	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	435Wp	324Wp	440Wp	327Wp	445Wp	331Wp	450Wp	335Wp	455Wp	339Wp
Maximum Power Voltage (Vmp)	40.77V	37.76V	40.97V	37.89V	41.17V	38.10V	41.37V	38.31V	41.56V	38.47V
Maximum Power Current (Imp)	10.67A	8.57A	10.74A	8.64A	10.81A	8.69A	10.88A	8.74A	10.95A	8.80A
Open-circuit Voltage (Voc)	48.67V	45.84V	48.87V	46.03V	49.07V	46.22V	49.27V	46.41V	49.46V	46.59V
Short-circuit Current (Isc)	11.32A	9.14A	11.39A	9.20A	11.46A	9.26A	11.53A	9.31A	11.60A	9.37A
Module Efficiency STC (%)	19.97%		20.20%		20.43%		20.66%		20.89%	
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

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 Specifications included in this datasheet are subject to change without notice.

JKM435-455M-72HLM-(V)-F1-EN

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Tiger LM 72HC-BDVP

435-455 Watt

BIFACIAL MODULE WITH DUAL GLASS

P-Type

Positive power tolerance of 0~+3%

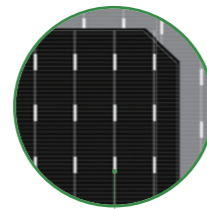
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

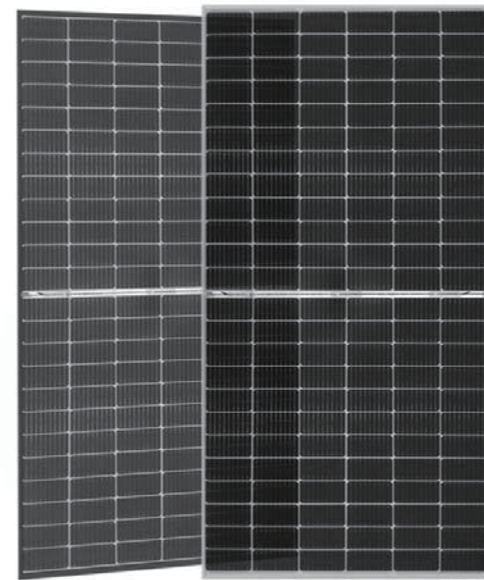
ISO14001:2015: Environment Management System

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.

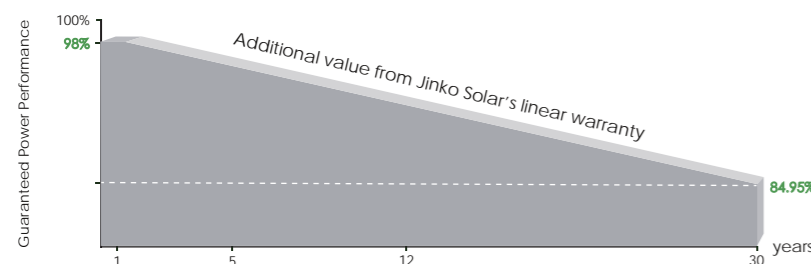


Low-light Performance

Advanced glass and cell surface textured design ensure excellent performance in low-light environment



LINEAR PERFORMANCE WARRANTY

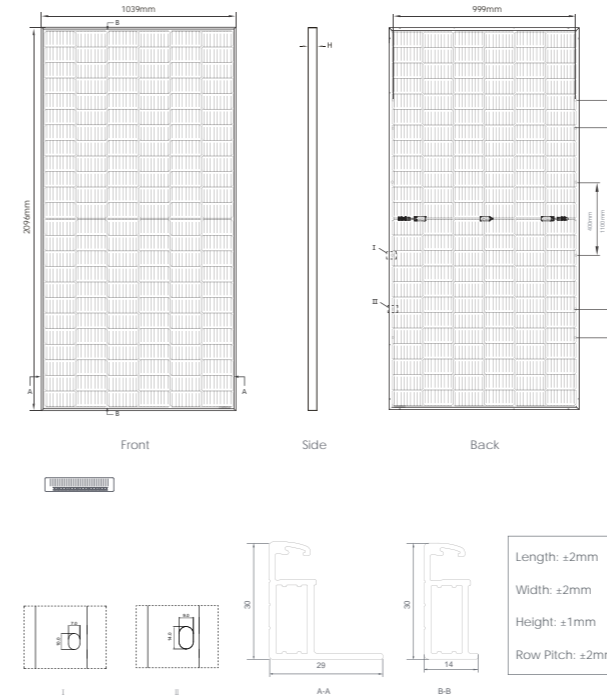


12 Year Product Warranty

30 Year Linear Power Warranty

0.45% Annual Degradation Over 30 years

Engineering Drawings

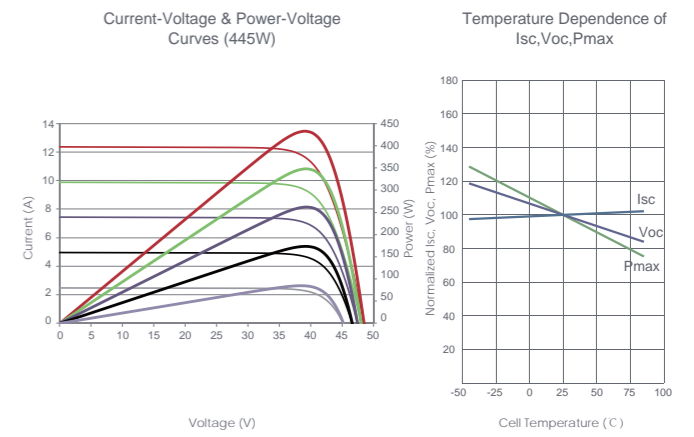


Packaging Configuration

(Two pallets = One stack)

35pcs/pallets, 70pcs/stack, 770pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2096×1039×30mm (82.52×40.91×1.18 inch)
Weight	28.1kg (61.95 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 (+): 250mm, (-): 150mm or Customized Length

SPECIFICATIONS

Module Type	JKM435M-72HLM-BDVP		JKM440M-72HLM-BDVP		JKM445M-72HLM-BDVP		JKM450M-72HLM-BDVP		JKM455M-72HLM-BDVP	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	435Wp	324Wp	440Wp	327Wp	445Wp	331Wp	450Wp	335Wp	455Wp	339Wp
Maximum Power Voltage (Vmp)	40.81V	37.63V	41.01V	37.80V	41.21V	38.01V	41.40V	38.22V	41.59V	38.38V
Maximum Power Current (Imp)	10.66A	8.60A	10.73A	8.66A	10.80A	8.71A	10.87A	8.76A	10.94A	8.82A
Open-circuit Voltage (Voc)	48.96V	46.11V	49.16V	46.30V	49.36V	46.49V	49.56V	46.68V	49.76V	46.87V
Short-circuit Current (Isc)	11.35A	9.17A	11.42A	9.22A	11.49A	9.28A	11.56A	9.34A	11.63A	9.39A
Module Efficiency STC (%)	19.97%		20.20%		20.43%		20.66%		20.89%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum System Voltage	1500VDC (IEC)									
Maximum Series Fuse Rating	25A									
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									
Refer. Bifacial Factor	70±5%									

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		457Wp	462Wp	467Wp	473Wp	478Wp
5%	Maximum Power (Pmax)	457Wp	462Wp	467Wp	473Wp	478Wp
	Module Efficiency STC (%)	20.99%	21.21%	21.44%	21.72%	21.95%
15%	Maximum Power (Pmax)	500Wp	506Wp	512Wp	518Wp	523Wp
	Module Efficiency STC (%)	22.96%	23.24%	23.51%	23.79%	24.02%
25%	Maximum Power (Pmax)	544Wp	550Wp	556Wp	563Wp	569Wp
	Module Efficiency STC (%)	24.98%	25.26%	25.53%	25.85%	26.13%

*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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 Specifications included in this datasheet are subject to change without notice.

JKM435-455M-72HLM-BDVP-F1-EN

TIGER N-Type Series



Designed for
Residential
Commercial
Utility



Customer Benefits

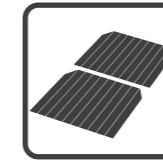
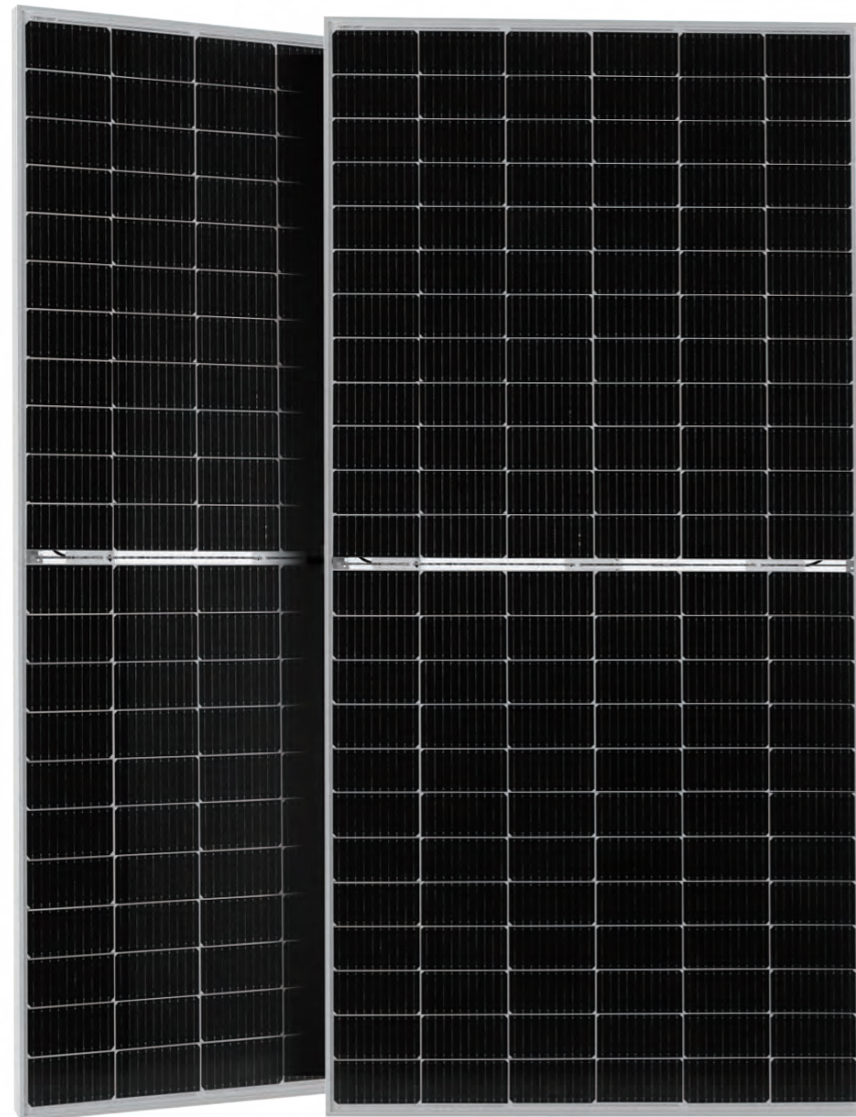
Completes System and Product Certifications

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

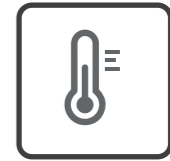
ISO45001:2018: Occupational health and safety management systems



M Busbar Solar Cell



Hot 2.0 Technology



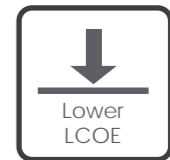
Higher Lifetime Power Yield



Linear Power Warranty
1st year: 1%
2-30 years: 0.4%



Product Warranty
White backsheet: 15 years
Black backsheet: 25 years



Severe Weather Resilience



Higher Lifetime Power Yield



Low-light Performance



Durability Against Extreme
Environmental Conditions

Product Codes

of cells

Size/Weight

JKM***N-6TL3-(V)

120 cells (6×20)

1692×1029×30mm / 19kg

JKM***N-6TL3-B

120 cells (6×20)

1692×1029×30mm / 19kg

JKM***N-6RL3-(V)

132 cells (6×22)

1855×1029×30mm / 20.8kg

JKM***N-6RL3-B

132 cells (6×22)

1855×1029×30mm / 20.8kg

Tiger N-Type 60TR

355-375 Watt

MONO FACIAL MODULE

N-Type

Positive power tolerance of 0~+3%

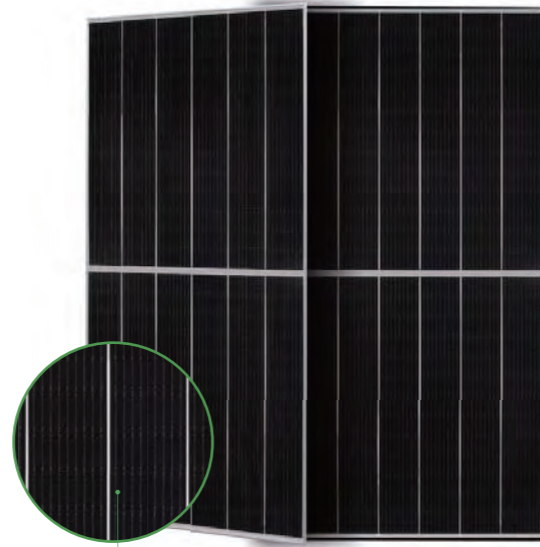
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



Tiling Ribbon Technology

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.

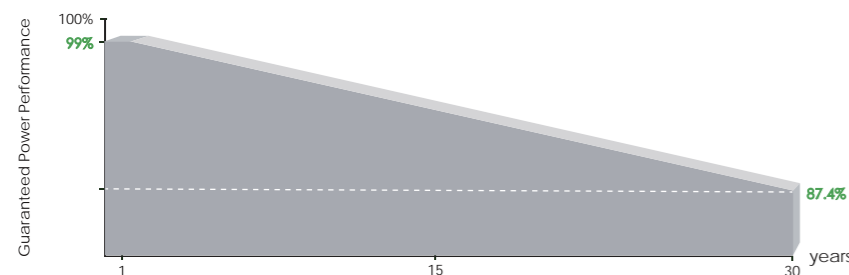


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

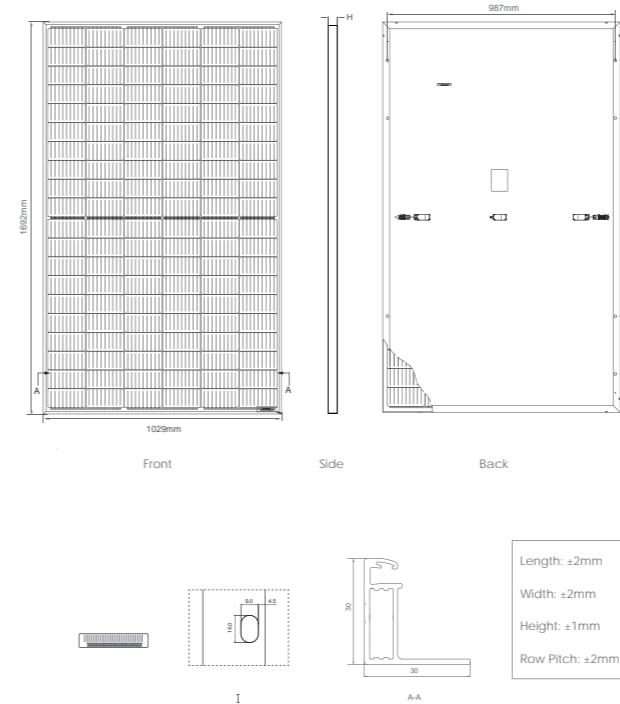


15 Year Product Warranty

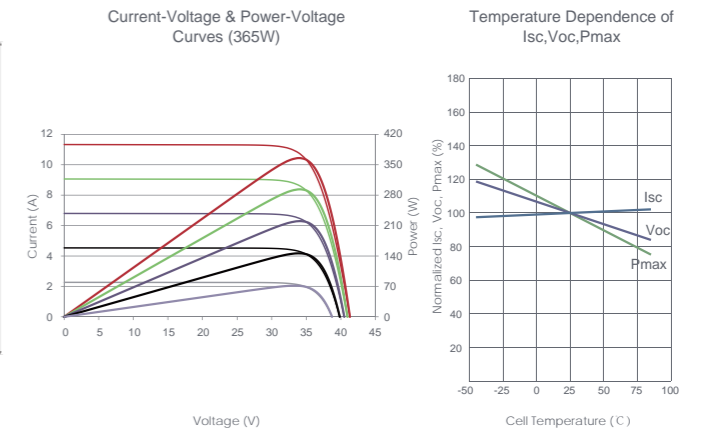
30 Year Linear Power Warranty

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	19.0kg (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)

35pcs/pallets, 70pcs/stack, 910pcs/ 40'HQ Container

SPECIFICATIONS

Module Type	JKM355N-6TL3		JKM360N-6TL3		JKM365N-6TL3		JKM370N-6TL3		JKM375N-6TL3	
	JKM355N-6TL3-V	JKM360N-6TL3-V	JKM360N-6TL3-V	JKM365N-6TL3-V	JKM365N-6TL3-V	JKM370N-6TL3-V	JKM370N-6TL3-V	JKM375N-6TL3-V	JKM375N-6TL3-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	355Wp	265Wp	360Wp	268Wp	365Wp	272Wp	370Wp	276Wp	375Wp	280Wp
Maximum Power Voltage (Vmp)	34.04V	31.40V	34.19V	31.58V	34.34V	31.72V	34.49V	31.89V	34.63V	32.03V
Maximum Power Current (Imp)	10.43A	8.43A	10.53A	8.50A	10.63A	8.58A	10.73A	8.65A	10.83A	8.73A
Open-circuit Voltage (Voc)	41.01V	38.71V	41.16V	38.85V	41.31V	38.99V	41.46V	39.13V	41.60V	39.26V
Short-circuit Current (Isc)	11.13A	8.99A	11.23A	9.07A	11.33A	9.15A	11.43A	9.23A	11.53A	9.31A
Module Efficiency STC (%)	20.39%		20.68%		20.96%		21.25%		21.54%	
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 N-Type 60TR

345-365 Watt

MONO FACIAL ALL BLACK

N-Type

Positive power tolerance of 0~+3%

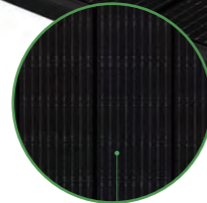
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

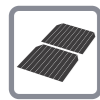
ISO45001:2018

Occupational health and safety management systems



Tiling Ribbon Technology

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.



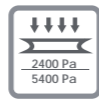
Durability Against Extreme Environmental Conditions

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.

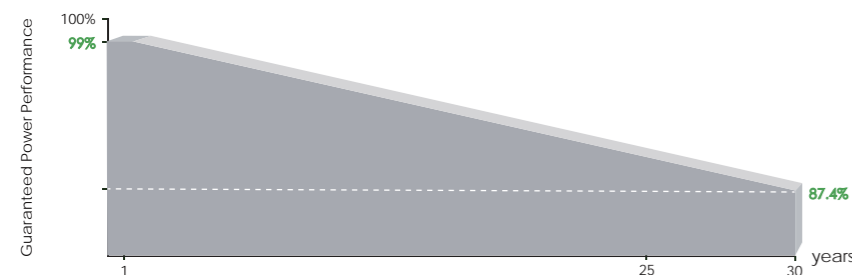


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

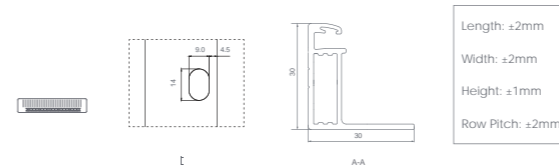
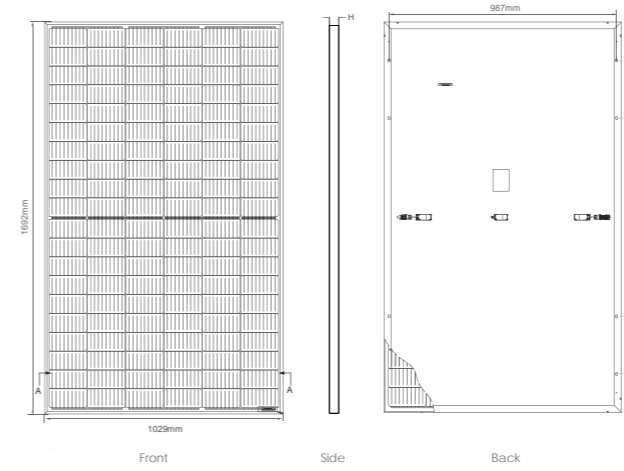


25 Year Product Warranty

30 Year Linear Power Warranty

0.4% Annual Degradation Over 30 years

Engineering Drawings

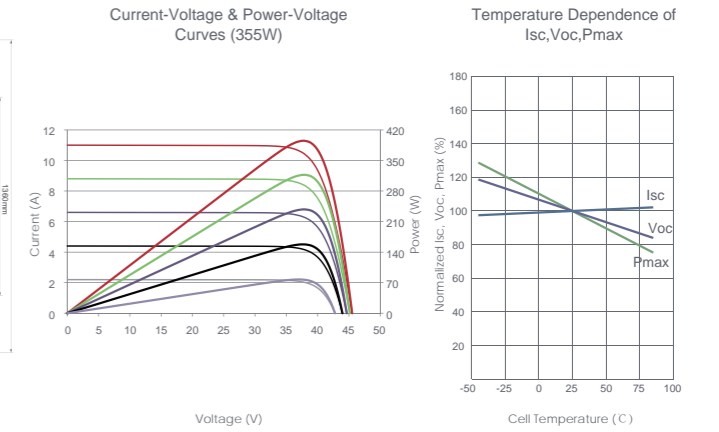


Packaging Configuration

(Two pallets = One stack)

35pcs/pallets, 70pcs/stack, 910pcs/ 40'HQ Container

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	19.0kg (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

SPECIFICATIONS

Module Type	JKM345N-6TL3-B		JKM350N-6TL3-B		JKM355N-6TL3-B		JKM360N-6TL3-B		JKM365N-6TL3-B	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	345Wp	257Wp	350Wp	261Wp	355Wp	265Wp	360Wp	268Wp	365Wp	272Wp
Maximum Power Voltage (Vmp)	33.93V	31.41V	34.12V	31.56V	34.30V	31.74V	34.49V	31.88V	34.67V	32.02V
Maximum Power Current (Imp)	10.17A	8.19A	10.26A	8.27A	10.35A	8.34A	10.44A	8.42A	10.53A	8.50A
Open-circuit Voltage (Voc)	40.85V	38.56V	41.04V	38.74V	41.22V	38.91V	41.41V	39.08V	41.59V	39.25V
Short-circuit Current (Isc)	10.75A	8.68A	10.84A	8.76A	10.93A	8.83A	11.02A	8.90A	11.11A	8.97A
Module Efficiency STC (%)	19.82%		20.10%		20.39%		20.68%		20.96%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum System Voltage	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 N-Type 66TR

390-410 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



Tiling Ribbon Technology

Key Features



Multi Busbar 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).

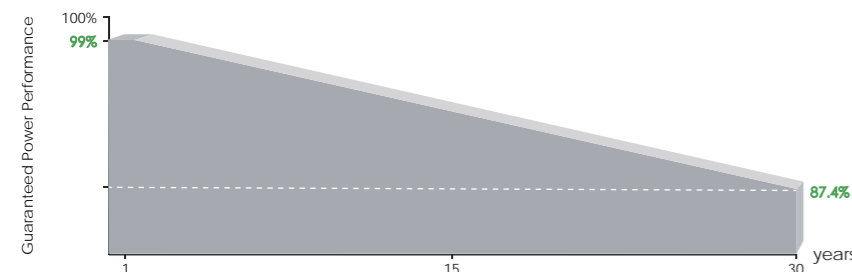


Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



LINEAR PERFORMANCE WARRANTY

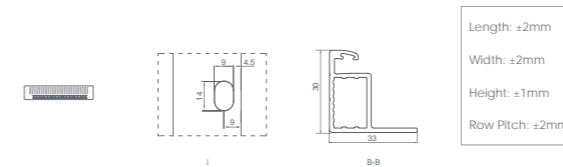
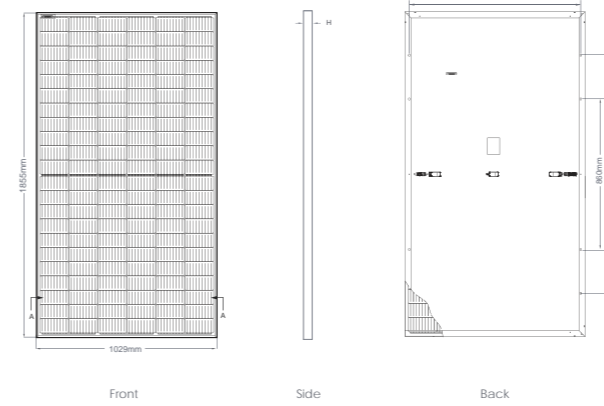


15 Year Product Warranty

30 Year Linear Power Warranty

0.4% Annual Degradation Over 30 years

Engineering Drawings

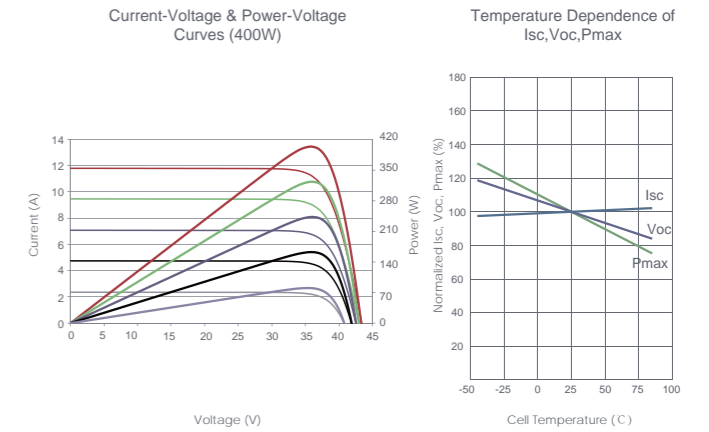


Packaging Configuration

(Two pallets = One stack)

35pcs/pallets, 70pcs/stack, 840pcs/40'HQ Container

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 1×4.0mm ² (+): 290mm, (-): 145mm or Customized Length

SPECIFICATIONS

Module Type	JKM390N-6RL3		JKM395N-6RL3		JKM400N-6RL3		JKM405N-6RL3		JKM410N-6RL3	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	390Wp	291Wp	395Wp	295Wp	400Wp	298Wp	405Wp	302Wp	410Wp	306Wp
Maximum Power Voltage (Vmp)	36.11V	33.39V	36.18V	33.51V	36.24V	33.59V	36.33V	33.70V	36.42V	33.78V
Maximum Power Current (Imp)	10.80A	8.71A	10.92A	8.79A	11.04A	8.88A	11.15A	8.96A	11.26A	9.05A
Open-circuit Voltage (Voc)	44.88V	42.36V	45.07V	42.54V	45.25V	42.71V	45.44V	42.89V	45.62V	43.06V
Short-circuit Current (Isc)	11.53A	9.31A	11.63A	9.39A	11.73A	9.47A	11.84A	9.56A	11.95A	9.65A
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	-0.34%/°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 N-Type 66TR

385-405 Watt

MONO-FACIAL ALL BLACK

N-Type

Positive power tolerance of 0~+3%

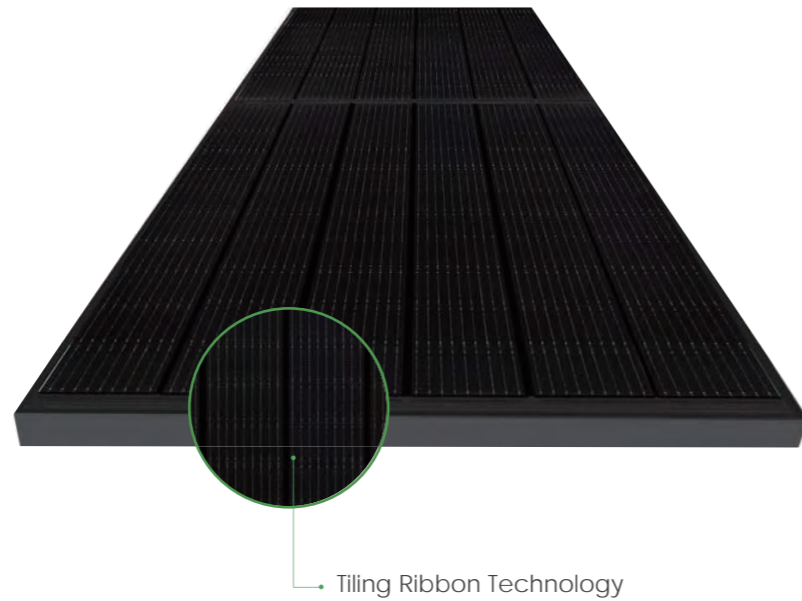
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

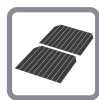
ISO45001:2018

Occupational health and safety management systems



Tiling Ribbon Technology

Key Features



Multi Busbar Technology

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



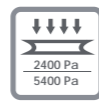
Hot 2.0 Technology

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).

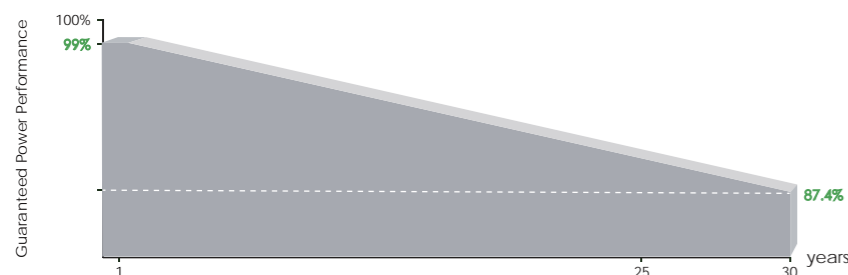


Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



LINEAR PERFORMANCE WARRANTY

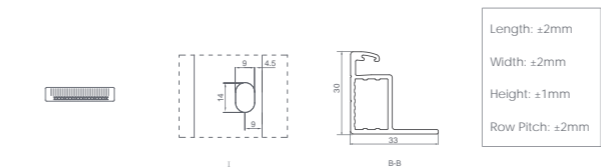
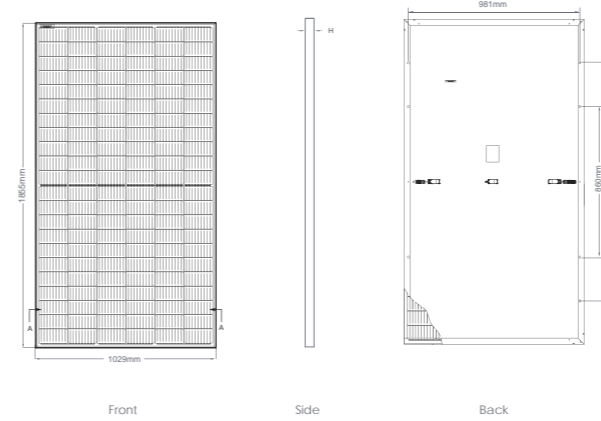


25 Year Product Warranty

30 Year Linear Power Warranty

0.4% Annual Degradation Over 30 years

Engineering Drawings

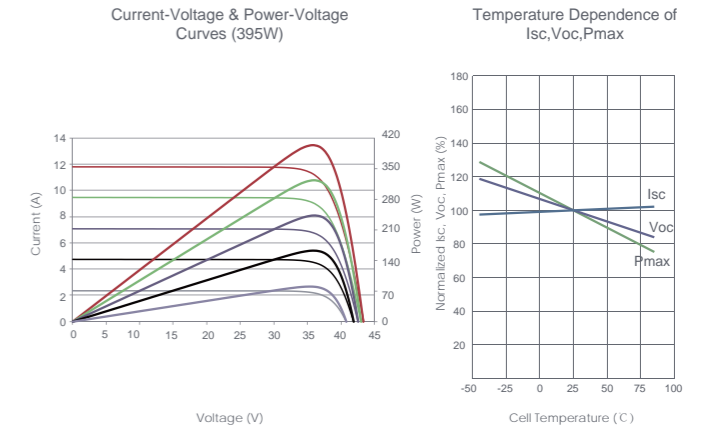


Packaging Configuration

(Two pallets = One stack)

35pcs/pallets, 70pcs/stack, 840pcs/40'HQ Container

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 1×4.0mm ² (+): 290mm, (-): 145mm or Customized Length

SPECIFICATIONS

Module Type	JKM385N-6RL3-B		JKM390N-6RL3-B		JKM395N-6RL3-B		JKM400N-6RL3-B		JKM405N-6RL3-B	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	385Wp	287Wp	390Wp	291Wp	395Wp	295Wp	400Wp	298Wp	405Wp	302Wp
Maximum Power Voltage (Vmp)	37.53V	34.88V	37.72V	35.03V	37.91V	35.19V	38.10V	35.38V	38.28V	35.57V
Maximum Power Current (Imp)	10.26A	8.23A	10.34A	8.30A	10.42A	8.37A	10.50A	8.43A	10.58A	8.49A
Open-circuit Voltage (Voc)	45.14V	42.61V	45.33V	42.79V	45.52V	42.96V	45.71V	43.14V	45.89V	43.31V
Short-circuit Current (Isc)	10.84A	8.76A	10.92A	8.82A	11.00A	8.88A	11.08A	8.95A	11.16A	9.01A
Module Efficiency STC (%)	20.17%		20.43%		20.69%		20.96%		21.22%	
Operating Temperature(°C)	-40 C ~ +85 C									
Maximum System Voltage	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 Series



Designed for
Residential
Commercial
Utility

Customer Benefits

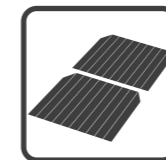
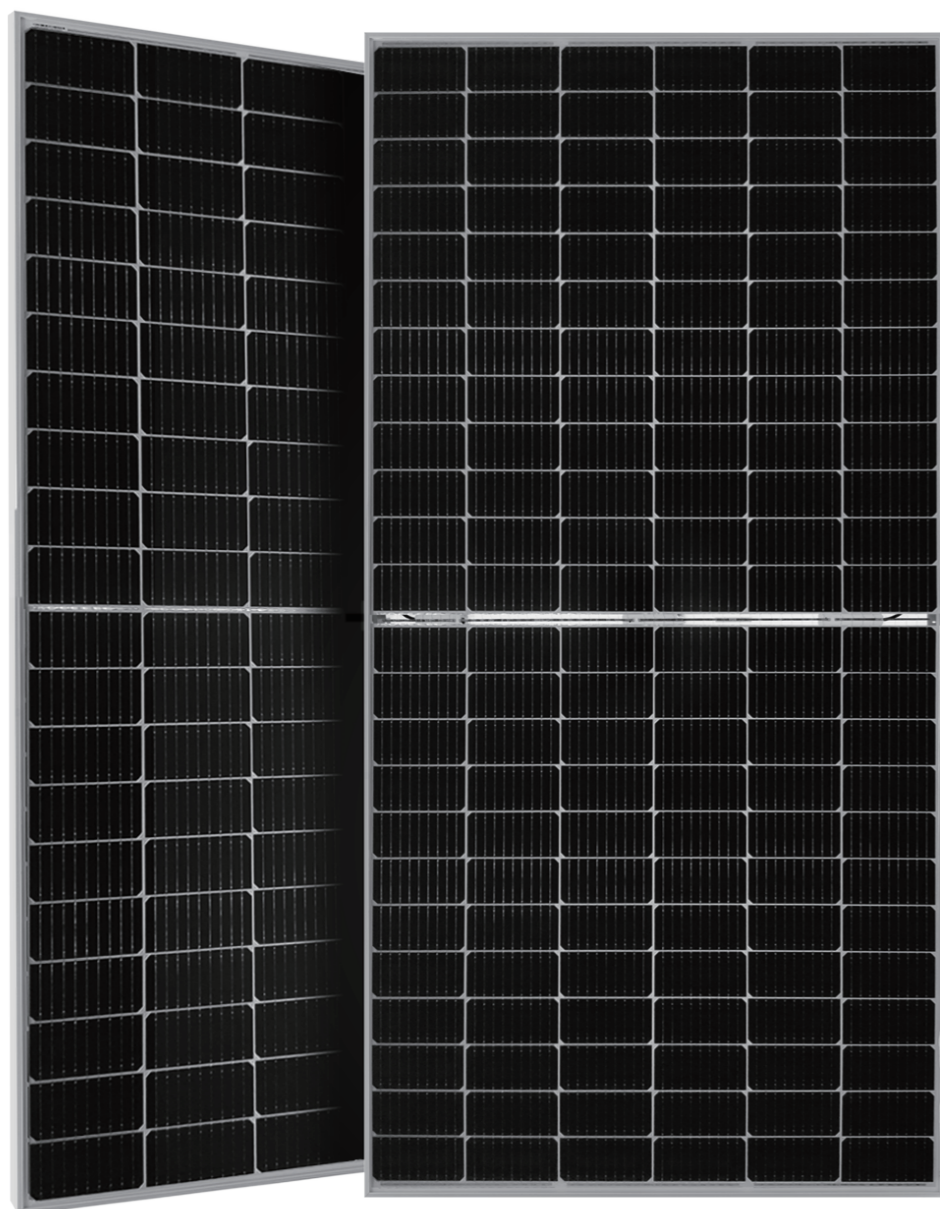
Complete System and Product Certificates

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018: Occupational health and safety management systems



TR Technology + Half Cell



PID Resistance



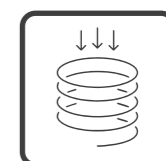
Higher Lifetime Power Yield



Multi Busbar



Higher power output



Severe Weather Resilience



Low-light Performance



Durability Against Extreme Environmental Conditions



High Efficiency

Product	# of cells	Size/Weight
JKM***M-6RL3-(V)*	132 cells (6x22)	1855×1029×30mm / 20.8kg
JKM***M-7RL3-(V)*	156 cells (6x26)	2182×1029×30mm / 25kg

* Product not available for sales and/ or distribution in Germany

www.jinkosolar.com



Tiger 66TR

390-410 Watt

MONO-FACIAL MODULE

P-Type

Positive power tolerance of 0~+3%

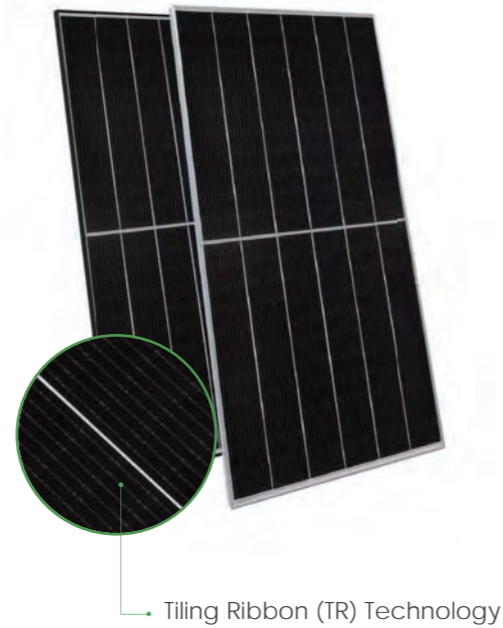
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

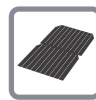
ISO45001:2018

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%)



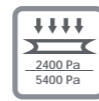
Best Warranty

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

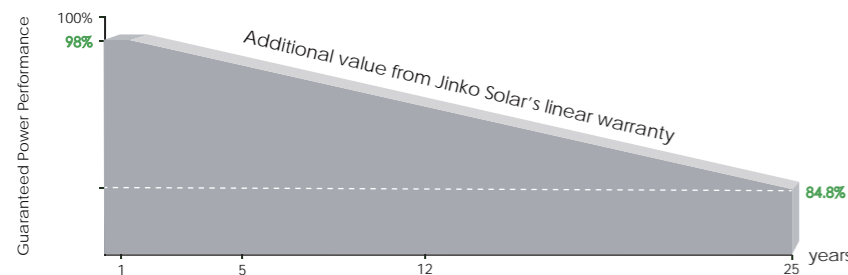
2.5% first year degradation,
0.55% linear degradation



Avoid debris, cracks and broken gate risk effectively

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

LINEAR PERFORMANCE WARRANTY

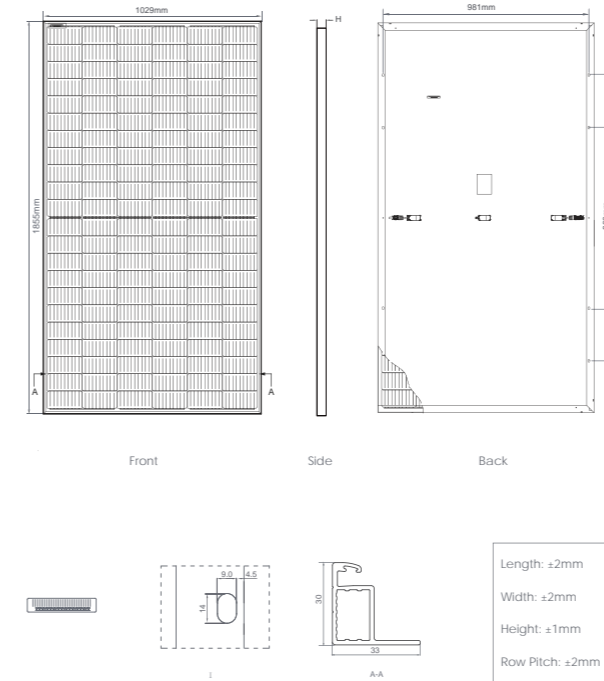


12 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

Engineering Drawings

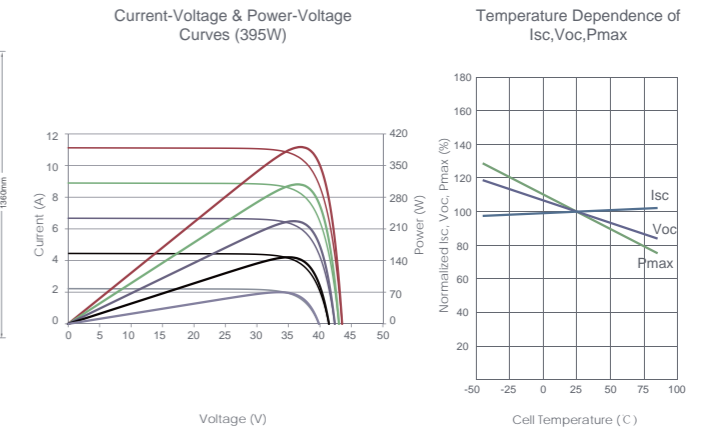


Packaging Configuration

(Two pallets = One stack)

35pcs/pallets, 70pcs/stack, 840pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P 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 1×4.0mm (+): 290mm, (-): 145mm or Customized Length

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

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Tiger 78TR

460-480 Watt

MONO-FACIAL MODULE

P-Type

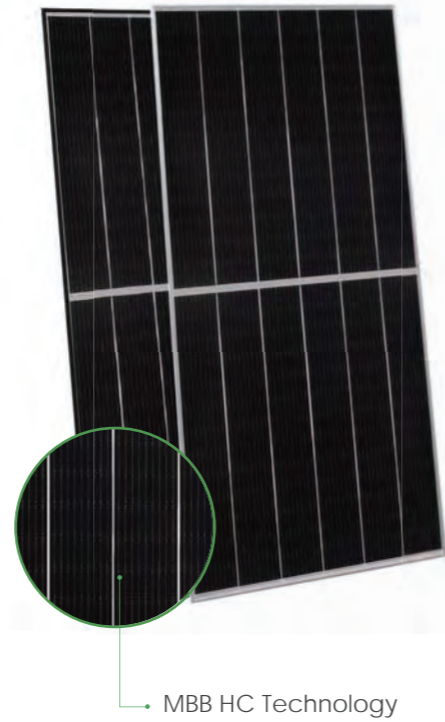
Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

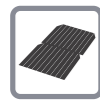
ISO14001:2015: Environment Management System

ISO45001:2018
Occupational health and safety management systems



MBB HC Technology

Key Features



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%)



9BB instead of 5BB

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



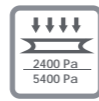
Higher lifetime Power Yield

2% first year degradation, 0.55% linear degradation



Best Warranty

12 year product warranty, 25 year linear power warranty



Enhanced Mechanical Load

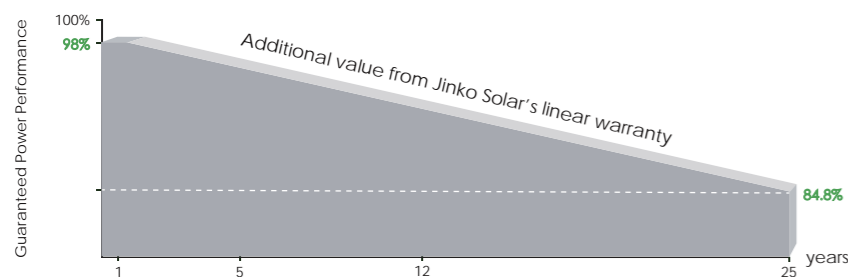
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



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

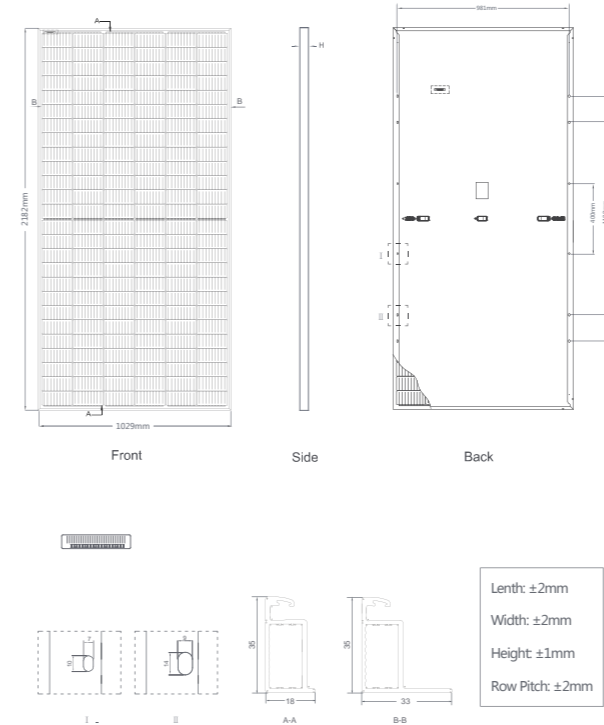


12 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

Engineering Drawings

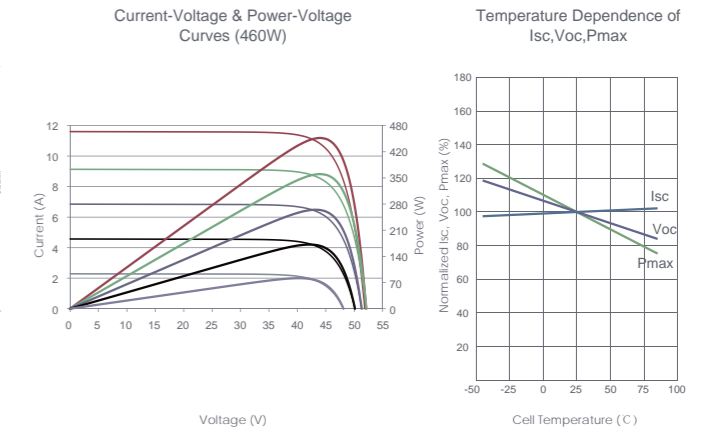


Packaging Configuration

(Two pallets = One stack)

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

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono PERC 166×166mm
No. of cells	156(2×78)
Dimensions	2182×1029×35mm (85.91×40.51×1.38 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 1×4.0mm ² (+): 290mm, (-): 145mm or Customized Length

SPECIFICATIONS

Module Type	JKM460M-7RL3		JKM465M-7RL3		JKM470M-7RL3		JKM475M-7RL3		JKM480M-7RL3	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	460Wp	342Wp	465Wp	346Wp	470Wp	350Wp	475Wp	353Wp	480Wp	357Wp
Maximum Power Voltage (Vmp)	43.08V	39.43V	43.18V	39.58V	43.28V	39.69V	43.38V	39.75V	43.48V	39.90V
Maximum Power Current (Imp)	10.68A	8.68A	10.77A	8.74A	10.86A	8.81A	10.95A	8.89A	11.04A	8.95A
Open-circuit Voltage (Voc)	51.70V	48.80V	51.92V	49.01V	52.14V	49.21V	52.24V	49.31V	52.34V	49.40V
Short-circuit Current (Isc)	11.50A	9.29A	11.59A	9.36A	11.68A	9.43A	11.77A	9.51A	11.86A	9.58A
Module Efficiency STC (%)	20.49%		20.71%		20.93%		21.16%		21.38%	
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	-0.28%/°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