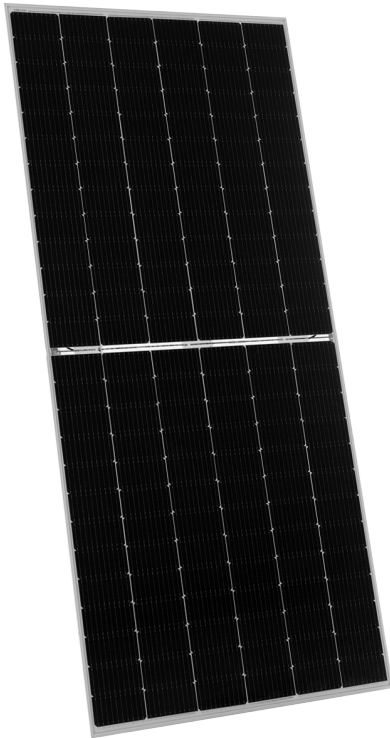
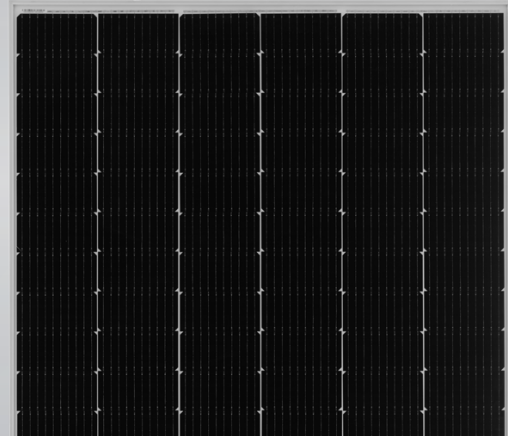


# Tiger Bifacial 455-475 Watt

Tiling Ribbon (TR) Technology

Positive power tolerance of 0~+3%



## KEY FEATURES



### TR technology + Half Cell

TR technology with Half cell aims to eliminate the cell gap to increase module efficiency (bi-facial up to 20.87%)



### 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,  
0.45% linear degradation



### Best Warranty

12 year product warranty,  
30 year linear power warranty



### Avoid debris, cracks and broken gate risk effectively

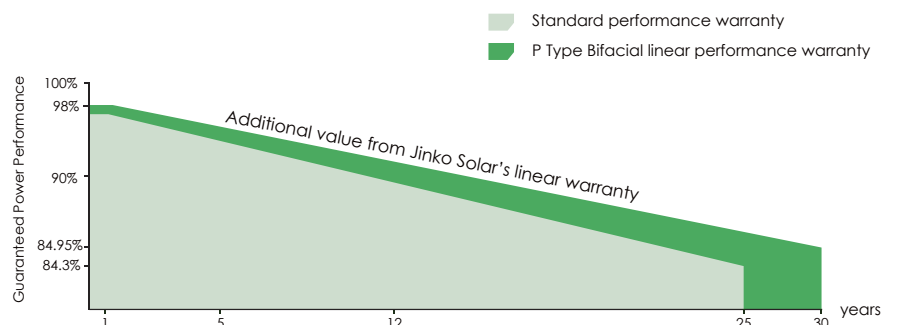
9BB technology using circular ribbon that could avoid debris, cracks and broken gate risk effectively



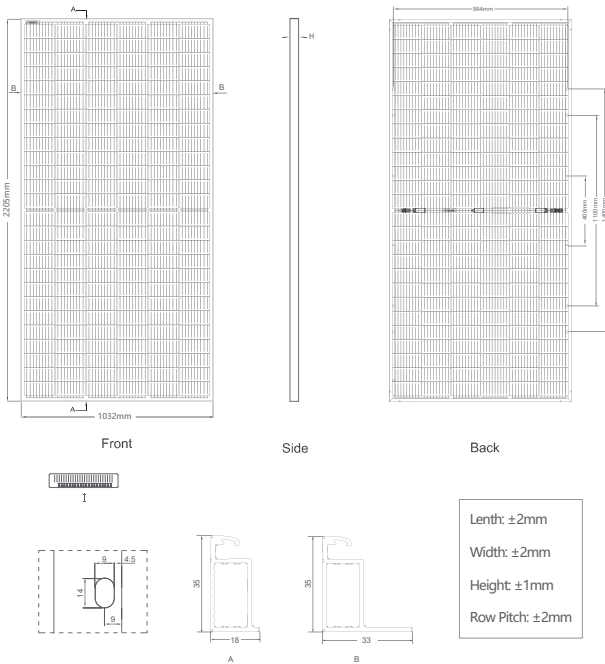
- ISO9001:2015, ISO14001:2015, ISO45001:2018 certified factory
- IEC61215, IEC61730 certified product

## LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 30 Year Linear Power Warranty  
0.45% Annual Degradation Over 30 years



## Engineering Drawings

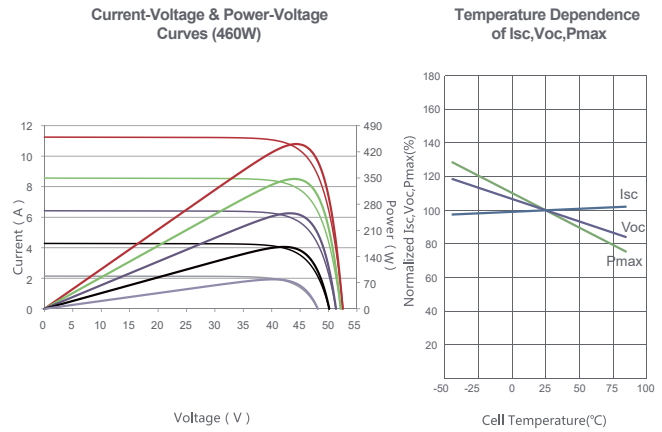


## Packaging Configuration

(Two pallets = One stack)

31pcs/pallets, 62pcs/stack, 620/container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	156 (2×78)
Dimensions	2205×1032×35mm (86.81×40.63×1.38 inch)
Weight	25 kg (55.11 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TUV 1×4.0mm <sup>2</sup> (+): 250mm, (-): 150mm or Customized Length

## SPECIFICATIONS

Module Type	JKM455M-7RL3-TV		JKM460M-7RL3-TV		JKM465M-7RL3-TV		JKM470M-7RL3-TV		JKM475M-7RL3-TV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	455Wp	339Wp	460Wp	342Wp	465Wp	346Wp	470Wp	350Wp	475Wp	353Wp
Maximum Power Voltage (Vmp)	43.25V	39.73V	43.32V	39.84V	43.38V	39.95V	43.44V	40.05V	43.50V	40.11V
Maximum Power Current (Imp)	10.52A	8.52A	10.62A	8.59A	10.72A	8.66A	10.82A	8.73A	10.92A	8.81A
Open-circuit Voltage (Voc)	51.80V	48.89V	51.90V	48.99V	52.00V	49.08V	52.10V	49.18V	52.16V	49.23V
Short-circuit Current (Isc)	11.26A	9.09A	11.35A	9.17A	11.44A	9.24A	11.53A	9.31A	11.63A	9.39A
Module Efficiency STC (%)	20.00%		20.21%		20.43%		20.65%		20.87%	
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	-0.28%/°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

		478Wp	483Wp	488Wp	494Wp	499Wp
5%	Maximum Power (Pmax)	478Wp	483Wp	488Wp	494Wp	499Wp
	Module Efficiency STC (%)	20.99%	21.23%	21.46%	21.69%	21.92%
15%	Maximum Power (Pmax)	523Wp	529Wp	535Wp	541Wp	546Wp
	Module Efficiency STC (%)	22.99%	23.25%	23.50%	23.75%	24.01%
25%	Maximum Power (Pmax)	569Wp	575Wp	581Wp	588Wp	594Wp
	Module Efficiency STC (%)	24.99%	25.27%	25.54%	25.82%	26.09%

\* STC: Irradiance 1000W/m<sup>2</sup> Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m<sup>2</sup> Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s

\* Power measurement tolerance: ± 3%

The company reserves the final right for explanation on any of the information presented hereby. TR JKM455-475M-7RL3-TV-A2-EN