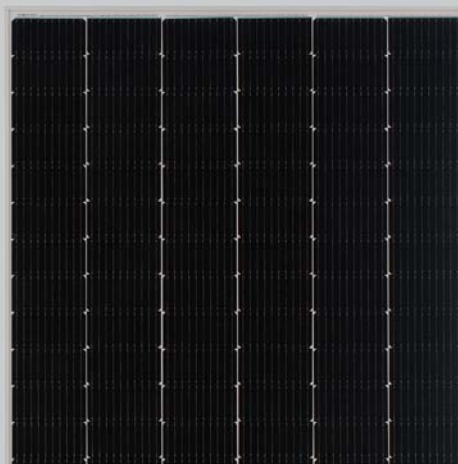


# TR 78M 565-585 Watt Mono-facial

Tiling Ribbon (TR) Technology

Positive power tolerance of 0~+3%

## TIGER Pro



## 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 21.40%)



### MBB instead of 5BB

MBB 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



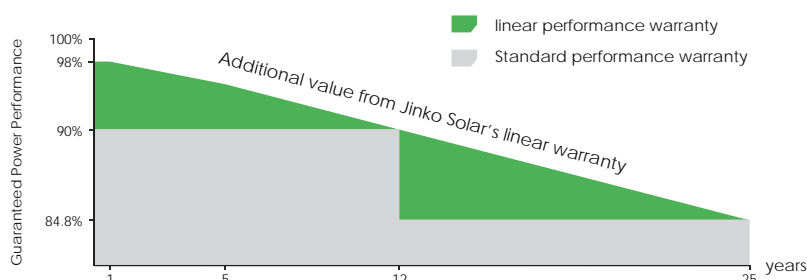
### Strengthened Mechanical Support

5400 Pa snow load, 2400 Pa wind load



## LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 25 Year Linear Power Warranty  
0.55% Annual Degradation Over 25 years

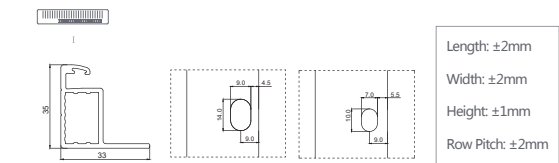


ISO9001:2015, ISO14001:2015, ISO45001:2018  
certified factory

IEC61215, IEC61730 certified product



## Engineering Drawings

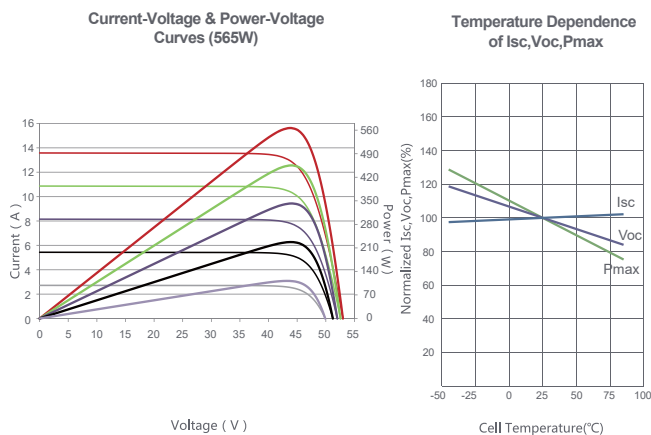


## Packaging Configuration

( Two pallets = One stack )

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

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	P type Mono-crystalline
No.of cells	156 (2×78)
Dimensions	2411×1134×35mm (94.92×44.65×1.38 inch)
Weight	31.1 kg (68.6 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 <sup>2</sup> (+): 290mm, (-): 145 mm or Customized Length

## SPECIFICATIONS

Module Type	JKM565M-7RL4-V		JKM570M-7RL4-V		JKM575M-7RL4-V		JKM580M-7RL4-V		JKM585M-7RL4-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	565Wp	420Wp	570Wp	424Wp	575Wp	428Wp	580Wp	432Wp	585Wp	435Wp
Maximum Power Voltage (Vmp)	43.77V	40.74V	43.89V	40.85V	44.00V	40.96V	44.11V	41.07V	44.22V	41.18V
Maximum Power Current (Imp)	12.91A	10.32A	12.99A	10.38A	13.07A	10.44A	13.15A	10.51A	13.23A	10.57A
Open-circuit Voltage (Voc)	52.97V	50.00V	53.09V	50.11V	53.20V	50.21V	53.31V	50.32V	53.42V	50.42V
Short-circuit Current (Isc)	13.59A	10.98A	13.67A	11.04A	13.75A	11.11A	13.83A	11.17A	13.91A	11.23A
Module Efficiency STC (%)	20.67%		20.85%		21.03%		21.21%		21.40%	
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									

\*STC:  Irradiance 1000W/m<sup>2</sup>  Cell Temperature 25°C  AM=1.5

 AM=1.5

NOCT:  Irradiance 800W/m<sup>2</sup>  Ambient Temperature 20°C  AM=1.5  Wind Speed 1m/s

AM=1.5      Wind Speed 1m/s

 Wind Speed 1m/s