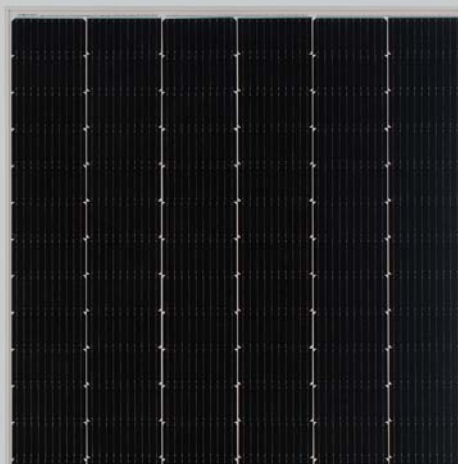


TR 78M 570-590 Watt Mono-facial

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 21.59%)



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



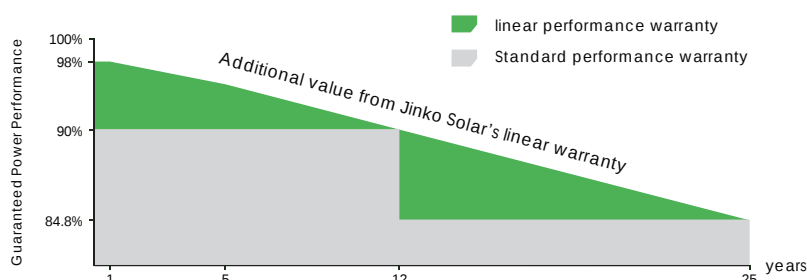
Strengthened Mechanical Support

5400 Pa snow load, 2400 Pa wind load



LINEAR PERFORMANCE WARRANTY

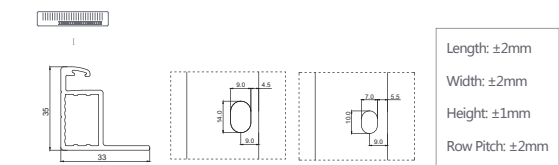
12 Year Product Warranty • 25 Year Linear Power Warranty
0.55% Annual Degradation Over 25 years



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

IEC61215, IEC61730 certified product

Engineering Drawings

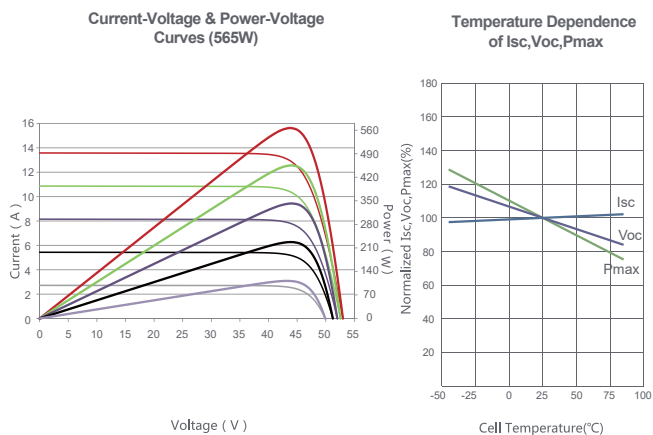


Packaging Configuration

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

SPECIFICATIONS

Module Type	JKM570M-7RL4-V		JKM575M-7RL4-V		JKM580M-7RL4-V		JKM585M-7RL4-V		JKM590M-7RL4-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	570Wp	424Wp	575Wp	428Wp	580Wp	432Wp	585Wp	435Wp	590Wp	438Wp
Maximum Power Voltage (Vmp)	43.89V	40.85V	44.00V	40.96V	44.11V	41.07V	44.22V	41.18V	44.33V	41.29V
Maximum Power Current (Imp)	12.99A	10.38A	13.07A	10.44A	13.15A	10.51A	13.23A	10.57A	13.31A	10.63A
Open-circuit Voltage (Voc)	53.09V	50.11V	53.20V	50.21V	53.31V	50.32V	53.42V	50.42V	53.53V	50.52V
Short-circuit Current (Isc)	13.67A	11.04A	13.75A	11.11A	13.83A	11.17A	13.91A	11.23A	13.99A	11.29A
Module Efficiency STC (%)	20.85%		21.03%		21.21%		21.40%		21.59%	
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/m²  Cell Temperature 25°C  AM=1.5
NOCT:  Irradiance 800W/m²  Ambient Temperature 20°C  AM=1.5  Wind Speed 1m/s