

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



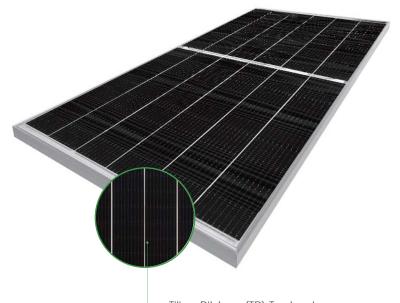












Tiling Ribbon (TR) Technology

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 21.38%)



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

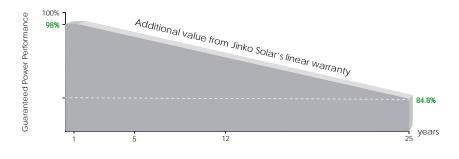
2% first year degradation, 0.55% linear degradation



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

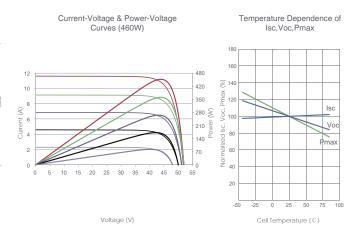


- **12** Year Product Warranty
- **25** Year Linear Power Warranty
- 0.55% Annual Degradation Over 25 years

Engineering Drawings

Front Side Back

Electrical Performance & Temperature Dependence



Lenth: ±2mm Width: ±2mm Height: ±1mm Row Pitch: ±2mm

Packaging Configuration

(Two pallets = One stack)

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

Mechanical Characteristics								
Cell Type	P type Mono-crystalline							
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	
	JKM460M-7RL3-V		JKM465M-7RL3-V		JKM470M-7RL3-V		JKM475M-7RL3-V		JKM480M-7RL3-V		
	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.	20.49%		20.71%		20.93%		21.16%		21.38%	
Operating Temperature(°C)	perature(°C)			-40°C~+85°C							
Maximum System Voltage				1000/1500VDC (IEC)							
Maximum Series Fuse Rating					20A						
Power Tolerance					0~+3%						
remperature Coefficients of Pmax					-0.35%/℃						
Temperature Coefficients of Voc				-0.28%/℃							
Temperature Coefficients of Isc					0.048%/°C						
Nominal Operating Cell Temperature (NOCT)					45±	:2°C					













