

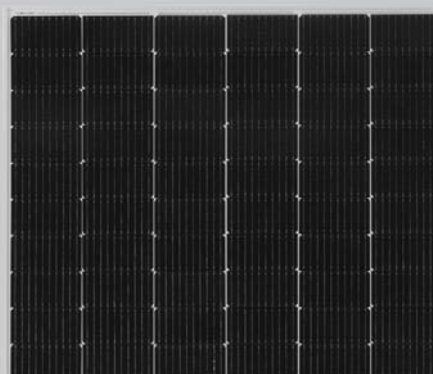
TR 60M 420-440 Watt Mono-facial

Tiling Ribbon (TR) Technology

Positive power tolerance of 0~+3%

(Made in China/Malaysia/U.S/Vietnam)

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 20.77 %)



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

2.0% first year degradation,
0.55% linear degradation



Best Warranty

12 year product warranty,
25 year linear power warranty



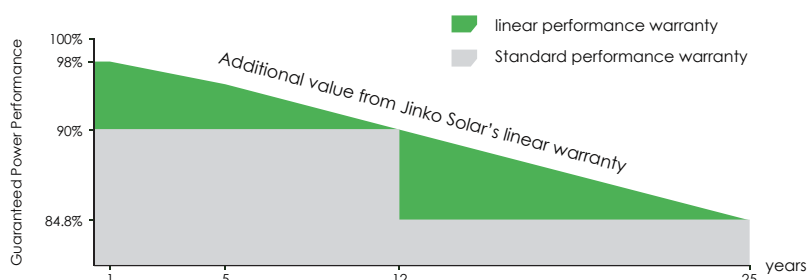
Strengthened Mechanical Support

5400 Pa snow load, 2400 Pa wind load



LINEAR PERFORMANCE WARRANTY

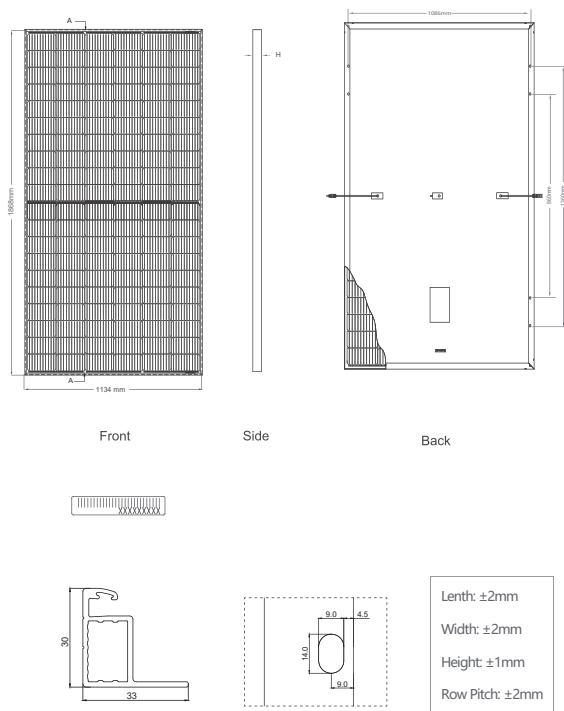
12 Year Product Warranty • 25 Year Linear Power Warranty
0.55% Annual Degradation Over 25 years



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

IEC61215, IEC61730 certified product

Engineering Drawings

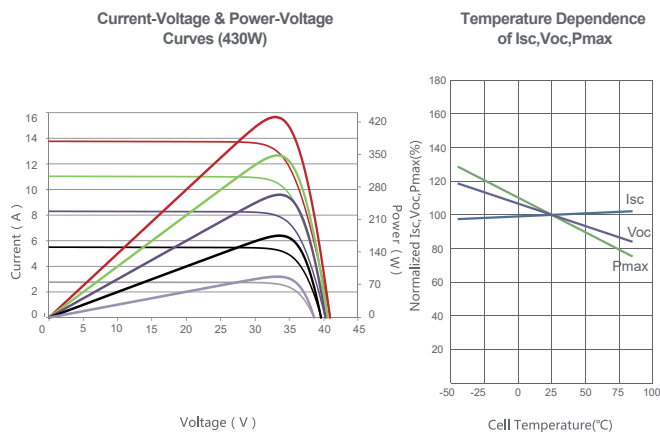


Packaging Configuration

(Two pallets = One stack)

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

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	120 (2×60)
Dimensions	1868×1134×30mm (73.54×44.65×1.18 inch)
Weight	23.8 kg (52.47 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
Connector	JK03M/1B, Genuine MC4
Fire Rating	Class C

SPECIFICATIONS

Module Type	JKM420M-6TL4		JKM425M-6TL4		JKM430M-6TL4		JKM435M-6TL4		JKM440M-6TL4	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	420Wp	365Wp	425Wp	370Wp	430Wp	374Wp	435Wp	378Wp	440Wp	383Wp
Maximum Power Voltage (Vmp)	33.31V	35.96V	33.42V	36.18V	33.52V	36.36V	33.62V	36.57V	33.72V	36.70V
Maximum Power Current (Imp)	12.61A	10.16A	12.72A	10.22A	12.83A	10.29A	12.94A	10.35A	13.05A	10.43A
Open-circuit Voltage (Voc)	40.70V	43.54V	40.78V	43.63V	40.86V	43.71V	40.94V	43.80V	41.02V	43.89V
Short-circuit Current (Isc)	13.49A	10.66A	13.55A	10.71A	13.61A	10.76A	13.67A	10.80A	13.73A	10.85A
Module Efficiency STC (%)	19.45%		19.68%		19.92%		20.15%		20.38%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000VDC (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

*Power Measurement Tolerance: +/-3%