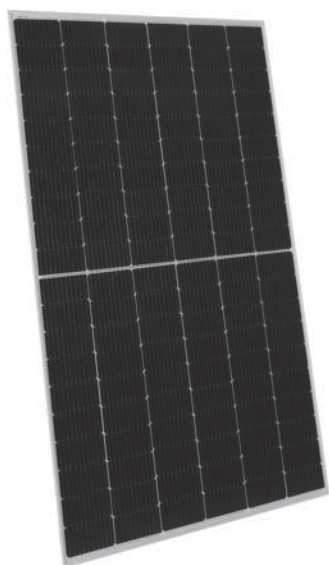
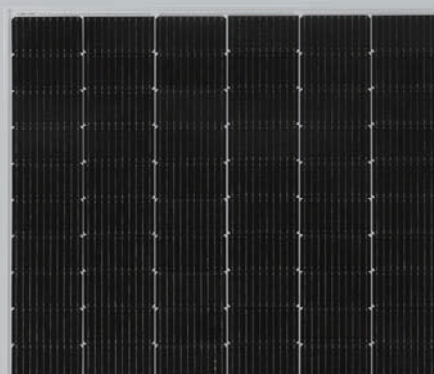


# TR 60M 420-440 Watt Mono-facial

Tiling Ribbon (TR) Technology

(Made in China)

## 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



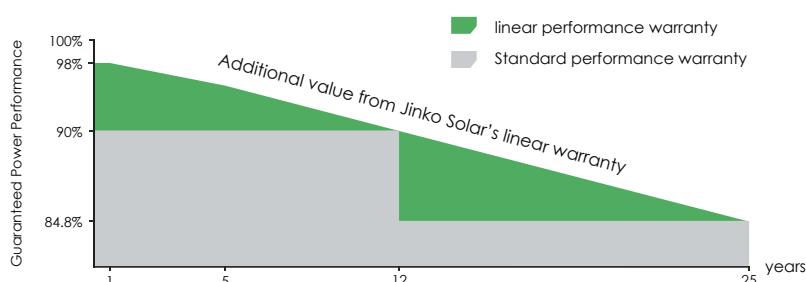
#### Strengthened Mechanical Support

5400 Pa snow load, 2400 Pa wind load



### LINEAR PERFORMANCE WARRANTY

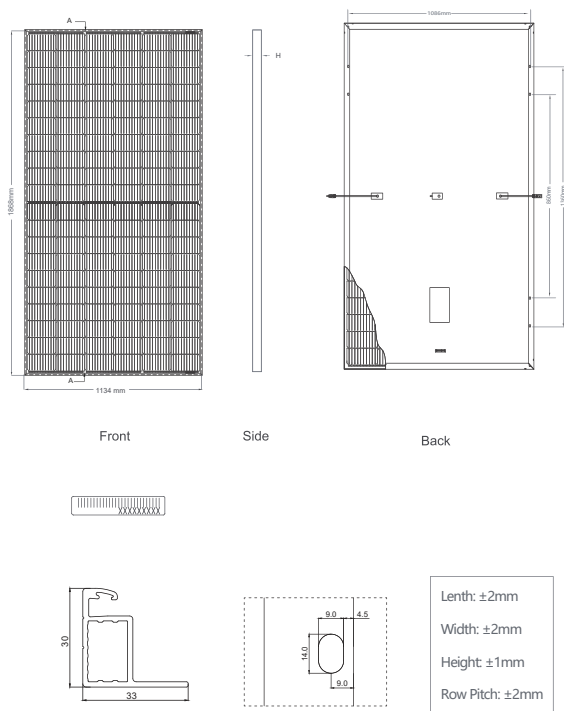
12 Year Product Warranty • 25 Year Linear Power Warranty  
0.55% Annual Degradation Over 25 years



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

IEC61215(2016), IEC61730(2016) certified  
product

## Engineering Drawings

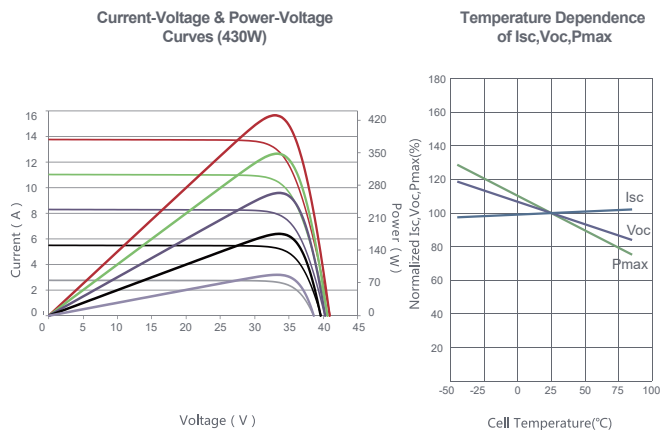


## Packaging Configuration

(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 <sup>2</sup> (+): 290mm, (-): 145 mm or Customized Length
Connector Type	1000V: Staubli MC4JK03M/2B, JK03M2/2B, Jinko PV material 1500V: Staubli MC4-EVO2JK03M/2B, JK03M2/2B, Jinko PV material
Fire Class	Class C

## SPECIFICATIONS

Module Type	JKM420M-6TL4-V		JKM425M-6TL4-V		JKM430M-6TL4-V		JKM435M-6TL4-V		JKM440M-6TL4-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	420Wp	312Wp	425Wp	316Wp	430Wp	320Wp	435Wp	324Wp	440Wp	327Wp
Maximum Power Voltage (Vmp)	33.31V	30.76V	33.42V	30.94V	33.52V	31.09V	33.62V	31.27V	33.72V	31.39V
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	38.41V	40.78V	38.49V	40.86V	38.57V	40.94V	38.64V	41.02V	38.72V
Short-circuit Current (Isc)	13.49A	10.90A	13.55A	10.94A	13.61A	10.99A	13.67A	11.04A	13.73A	11.09A
Module Efficiency STC (%)	19.83%		20.06%		20.30%		20.54%		20.77%	
Operating Temperature(°C)					-40°C~+85°C					
Maximum system voltage					1500VDC (IEC)		with -V=1500V, without -V=1000V			
Maximum series fuse rating					25A					
Power sorting tolerances					0~3%					
Power measurement tolerance					-3%~+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

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

AM=1.5

Wind Speed 1m/s