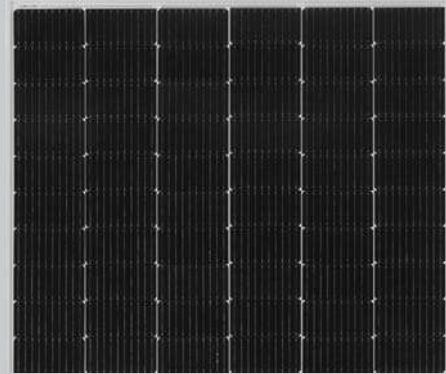


# TR 60M 440 Watt Mono-facial

Tiling Ribbon (TR) Technology

## 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



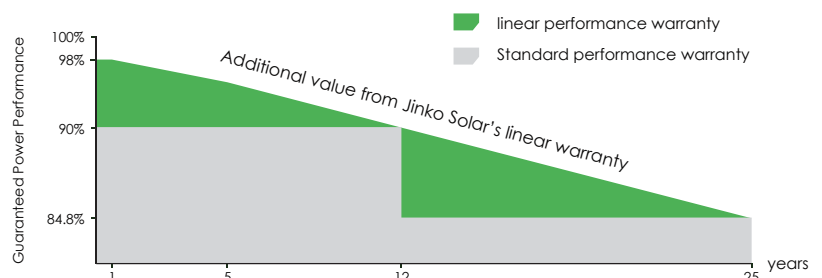
#### Strengthened Mechanical Support

5400 Pa snow load, 2400 Pa wind load



### LINEAR PERFORMANCE WARRANTY

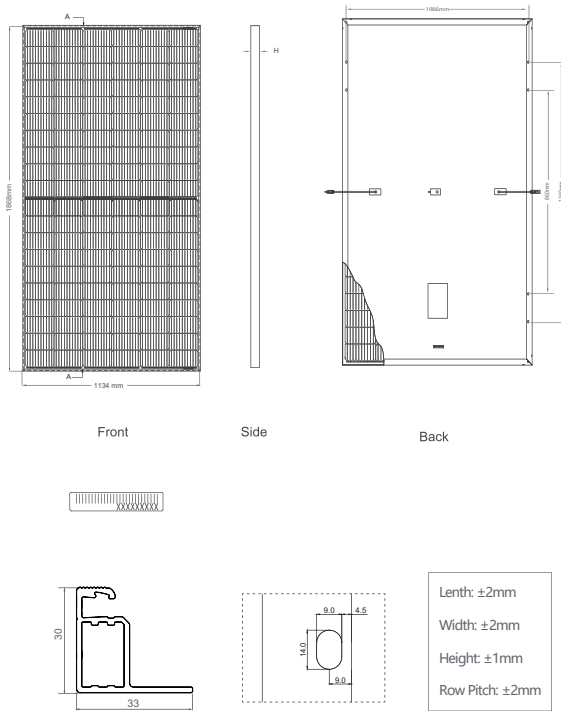
12 Year Product Warranty • 25 Year Linear Power Warranty  
0.55% Annual Degradation Over 25 years



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

IEC61215, IEC61730 certified product

## Engineering Drawings

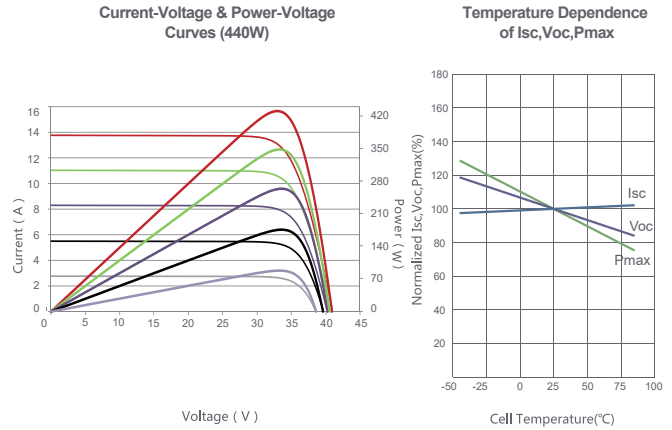


## Packaging Configuration

( 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 <sup>2</sup> (+): 290mm, (-): 145 mm or Customized Length

## SPECIFICATIONS

Module Type	JKM440M-6TL4	
	STC	NOCT
Maximum Power (Pmax)	440Wp	327Wp
Maximum Power Voltage (Vmp)	33.72V	31.39V
Maximum Power Current (Imp)	13.05A	10.43A
Open-circuit Voltage (Voc)	41.02V	38.72V
Short-circuit Current (Isc)	13.73A	11.09A
Module Efficiency STC (%)	20.77%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	1000VDC (IEC)	
Maximum series fuse rating	25A	
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