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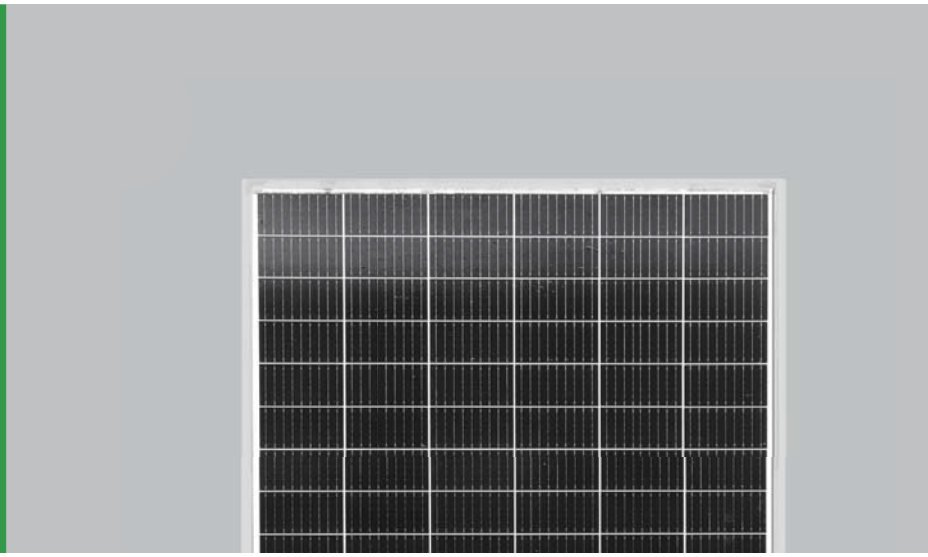
Jinko Solar
Building Your Trust in Solar

Tiger LM
435-455 Watt

MONO PERC HALF CELL MODULE

Positive power tolerance of 0~+3%

- Half Cell
- Mono PERC 72 Cell



KEY FEATURES

9 Busbar Solar Cell
9 busbar solar cell adopts new technology to improve the efficiency of modules , offers a better aesthetic appearance, making it perfect for rooftop installation.

High Efficiency
Higher module conversion efficiency (up to 20.89%) benefit from half cell structure(low resistance characteristic).

PID Resistance
Excellent Anti-PID performance guarantee limited power degradation for mass production.

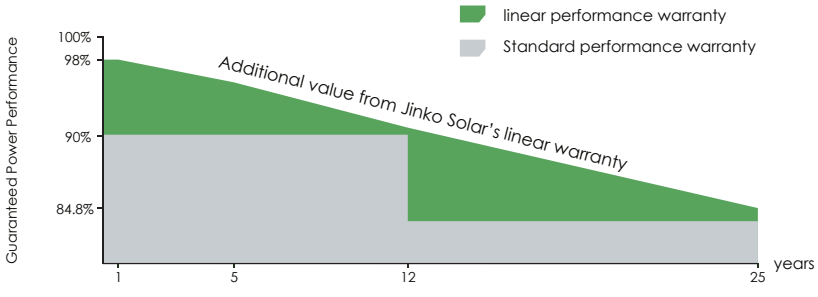
Low-light Performance
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

Severe Weather Resilience
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

Durability Against Extreme Environmental Conditions
High salt mist and ammonia resistance certified by TUV NORD.

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

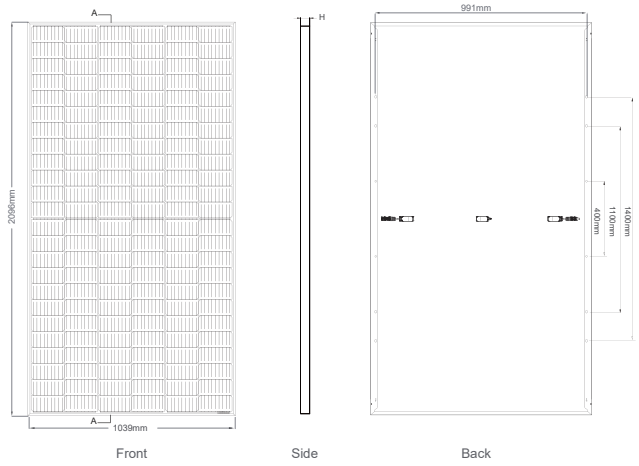
Nomenclature:

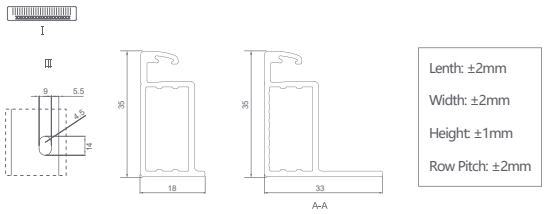
JKMxxxM-60/72HLM-(V)

Code	Cell
null	Full
H	Half

Code	Certification
null	1000V
V	1500V

Engineering Drawings



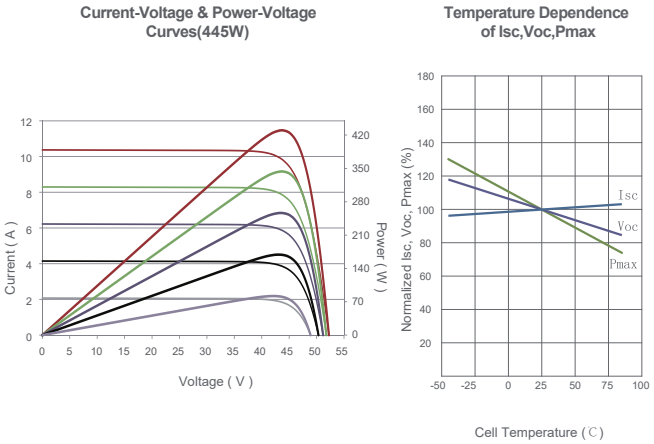


Packaging Configuration

(Two pallets = One stack) *For Standard Packing

31pcs/pallet, 62pcs/stack, 682pcs/40' HQ Container *(Standard Packing)

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono PERC 166×166mm
No.of cells	144 (6×24)
Dimensions	2096×1039×35mm (82.52×40.91×1.38 inch)
Weight	25.1 kg (55.34 lbs)
Front Glass	3.2mm,Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TUV 1×4.0mm² (+): 290mm , (-): 145 mm or Customized Length

SPECIFICATIONS

Module Type	JKM435M-72HLM JKM435M-72HLM-V		JKM440M-72HLM JKM440M-72HLM-V		JKM445M-72HLM JKM445M-72HLM-V		JKM450M-72HLM JKM450M-72HLM-V		JKM455M-72HLM JKM455M-72HLM-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	435Wp	324Wp	440Wp	327Wp	445Wp	331Wp	450Wp	335Wp	455Wp	339Wp
Maximum Power Voltage (Vmp)	40.77V	37.76V	40.97V	37.89V	41.17V	38.10V	41.37V	38.31V	41.56V	38.47V
Maximum Power Current (Imp)	10.67A	8.57A	10.74A	8.64A	10.81A	8.69A	10.88A	8.74A	10.95A	8.80A
Open-circuit Voltage (Voc)	48.67V	45.84V	48.87V	46.03V	49.07V	46.22V	49.27V	46.41V	49.46V	46.59V
Short-circuit Current (Isc)	11.32A	9.14A	11.39A	9.20A	11.46A	9.26A	11.53A	9.31A	11.60A	9.37A
Module Efficiency STC (%)	19.97%		20.20%		20.43%		20.66%		20.89%	
Operating Temperature(℃)	-40℃~+85℃									
Maximum system voltage	1000/1500VDC (IEC)									
Maximum series fuse rating	20A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.35%/℃									
Temperature coefficients of Voc	-0.29%/℃									
Temperature coefficients of Isc	0.048%/℃									
Nominal operating cell temperature (NOCT)	45±2℃									

*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%