

Bifacial HC 72M 520-540 Watt

MONOCRYSTALLINE MODULE

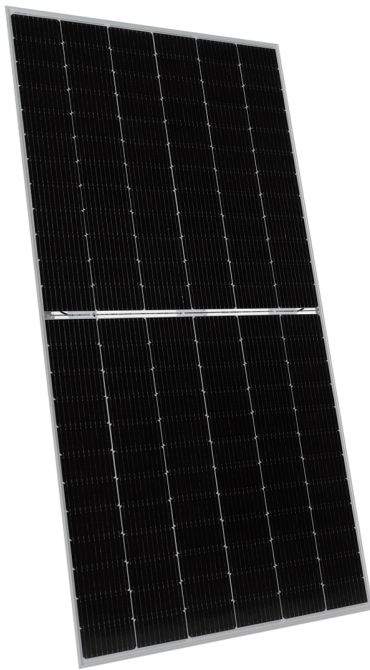
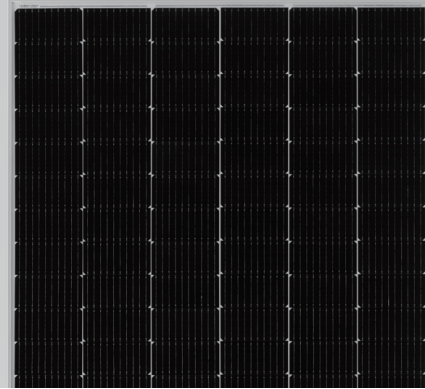
Positive power tolerance of 0~+3%

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

IEC61215(2016), IEC61730(2016), certified products.

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

TIGER Pro



KEY FEATURES



Multi Busbar Solar Cell

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



Higher Lifetime Power Yield:

0.45% annual power degradation
30 year linear power warranty



Higher power output:

Module power increases 5-25% generally (per different reflective condition)
lower LCOE and higher IRR

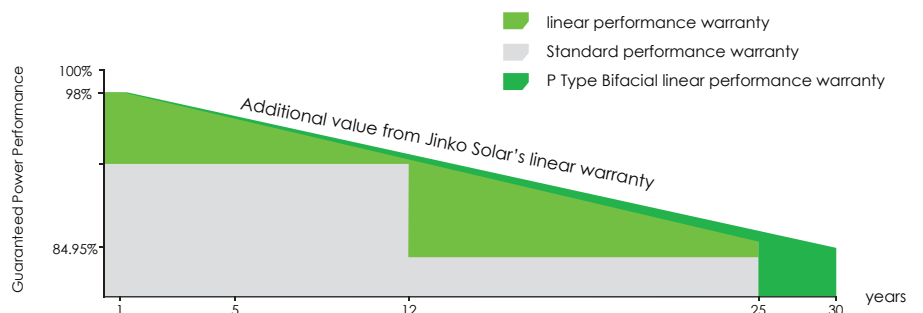


Better low-light performance:

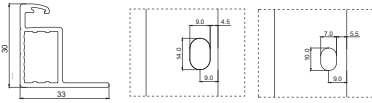
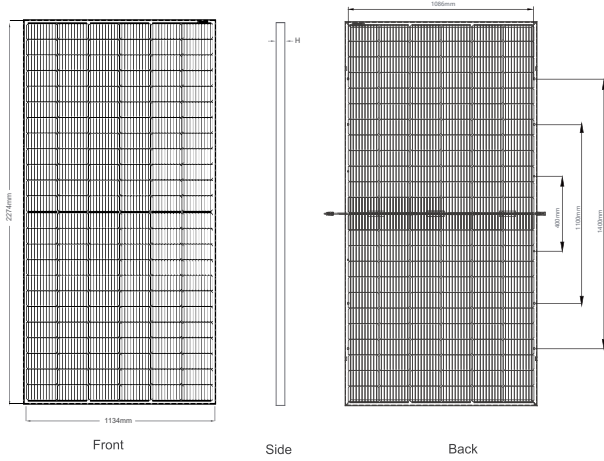
Excellent performance in low-light environments (e.g. early morning, dusk, and cloud, etc.)

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 30 Year Linear Power Warranty
0.45% Annual Degradation Over 30 years



Engineering Drawings



Length: $\pm 2\text{mm}$
 Width: $\pm 2\text{mm}$
 Height: $\pm 1\text{mm}$
 Row Pitch: $\pm 2\text{mm}$

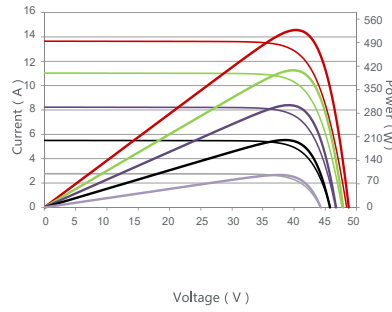
Packaging Configuration

(Two pallets = One stack)

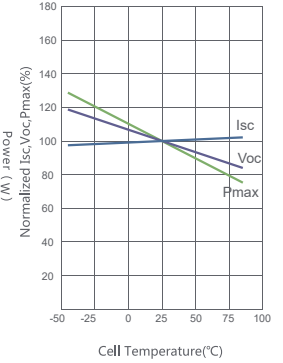
35pcs/pallets, 70pcs/stack, 630pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (520W)



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2278×1134×30mm (89.53×44.65×1.18 inch)
Weight	33.3 kg (73.41 lbs)
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm heat strengthened glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm ² (+): 250mm, (-): 150 mm or Customized Length
Connector	J kXl Yc'D : + #D : + \$ < MF ' & / B ' * D # B ' * D) # ebf ' G Md Xk i ' Xc
Fire Rating	Class A

SPECIFICATIONS

Module Type	JKM520M-72HL4-BDVP		JKM525M-72HL4-BDVP		JKM530M-72HL4-BDVP		JKM535M-72HL4-BDVP		JKM540M-72HL4-BDVP	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	520Wp	387Wp	525Wp	391Wp	530Wp	394Wp	535Wp	398Wp	540Wp	402Wp
Maximum Power Voltage (Vmp)	40.73V	37.74V	40.80V	37.81V	40.87V	37.88V	40.94V	37.94V	41.13V	38.08V
Maximum Power Current (Imp)	12.77A	10.25A	12.87A	10.33A	12.97A	10.41A	13.07A	10.49A	13.13A	10.55A
Open-circuit Voltage (Voc)	49.36V	46.59V	49.42V	46.65V	49.48V	46.70V	49.54V	46.76V	49.73V	46.94V
Short-circuit Current (Isc)	13.53A	10.93A	13.63A	11.01A	13.73A	11.09A	13.83A	11.17A	13.89A	11.22A
Module Efficiency STC (%)	20.17%		20.36%		20.55%		20.75%		20.94%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (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									
Refer. Bifacial Factor	70±5%									

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		5%	15%	25%	
Maximum Power (Pmax)	546Wp	551Wp	557Wp	562Wp	567Wp
Module Efficiency STC (%)	21.17%	21.38%	21.58%	21.78%	21.99%
Maximum Power (Pmax)	598Wp	604Wp	610Wp	615Wp	621Wp
Module Efficiency STC (%)	23.19%	23.41%	23.64%	23.86%	24.08%
Maximum Power (Pmax)	650Wp	656Wp	663Wp	669Wp	675Wp
Module Efficiency STC (%)	25.21%	25.45%	25.69%	25.93%	26.18%

* 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%