

Swan Plus Bifacial HC 78M 420-440 Watt

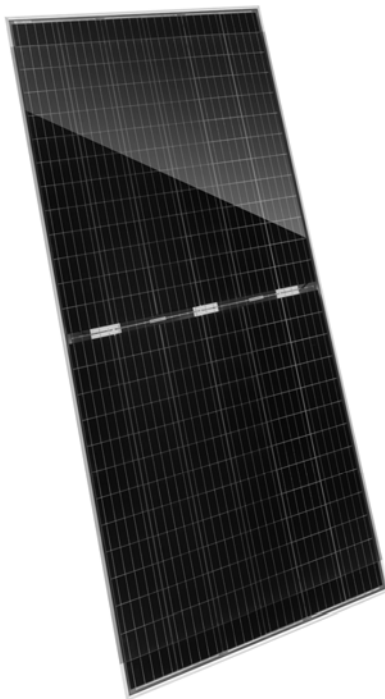
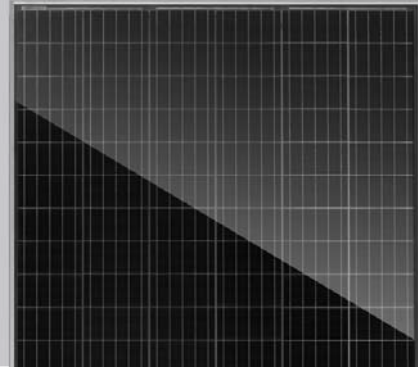
MONOCRYSTALLINE MODULE

Positive power tolerance of 0~+5W

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

IEC61215, IEC61730 certified products.

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



KEY FEATURES



5 Busbar Solar Cell

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



PID Resistance

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



Higher Lifetime Power Yield:

0.55% annual power degradation
30 year linear power warranty



Saving BOS Cost:

Light-weight design for easy installation and low BOS cost



Higher power output:

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

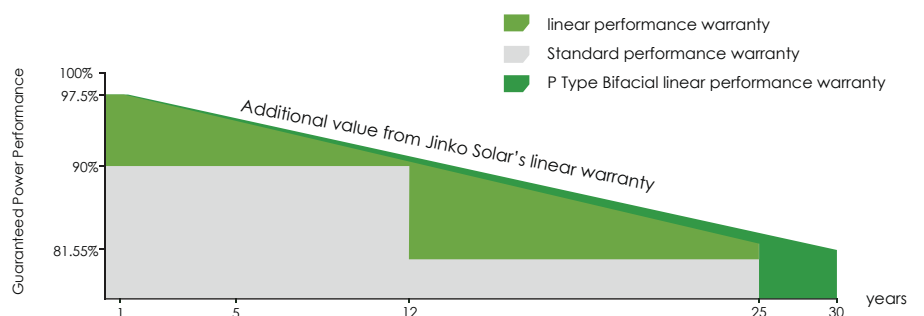


Better low-light performance:

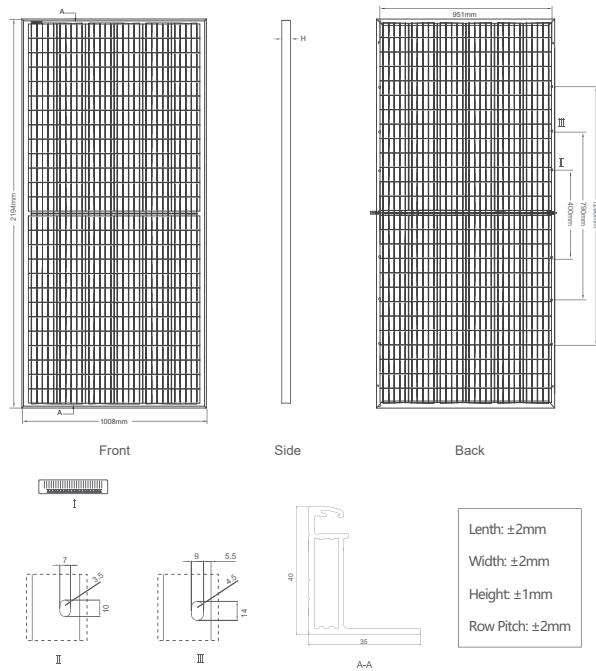
Excellent performance in low-light environments
(e.g. early morning, dusk, and cloud, etc.)

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 30 Year Linear Power Warranty
0.55% Annual Degradation Over 30 years



Engineering Drawings

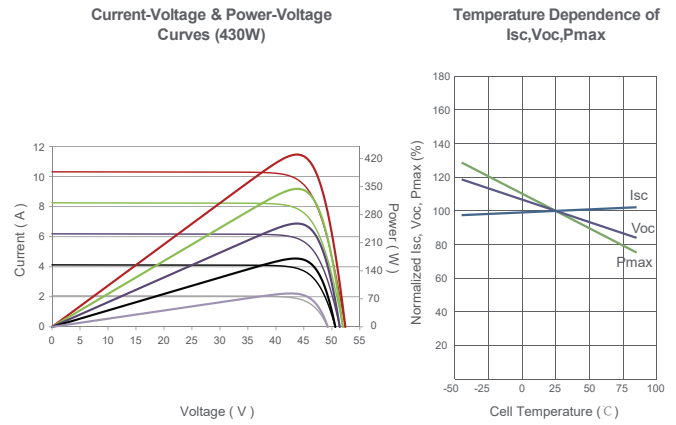


Packaging Configuration

(Two pallets = One stack)

27pcs/pallets, 54pcs/stack, 540pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono PERC 158.75×158.75mm
No. of cells	156 (6×26)
Dimensions	2194×1008×40mm (86.38×39.69×1.57 inch)
Weight	25.1kg (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 1×4.0mm ² (+): 250mm, (-): 150 mm or Customized Length
Fire Rating	Class C
Connector	JK03M/2B, MC4 EVO2

SPECIFICATIONS

Module Type	JKM420M-78H-TV		JKM425M-78H-TV		JKM430M-78H-TV		JKM435M-78H-TV		JKM440M-78H-TV	
	SCT	NOCT	SCT	NOCT	SCT	NOCT	SCT	NOCT	SCT	NOCT
Maximum Power (Pmax)	420Wp	312Wp	425Wp	316Wp	430Wp	320Wp	435Wp	324Wp	440Wp	327Wp
Maximum Power Voltage (Vmp)	43.35V	39.86V	43.50V	40.03V	43.66V	40.19V	43.85V	40.35V	43.92V	40.51V
Maximum Power Current (Imp)	9.69A	7.84A	9.77A	7.90A	9.85A	7.96A	9.92A	8.02A	10.02A	8.08A
Open-circuit Voltage (Voc)	51.64V	48.64V	51.67V	48.67V	51.70V	48.70V	51.80V	48.79V	51.90V	48.88V
Short-circuit Current (Isc)	10.36A	8.37A	10.44A	8.43A	10.52A	8.50A	10.60A	8.56A	10.68A	8.63A
Module Efficiency STC (%)	18.99%		19.22%		19.44%		19.67%		19.90%	
Operating Temperature(°C)	-40℃~+85℃									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	20A									
Power tolerance	0~+5W									
Temperature coefficients of Pmax	-0.35%/℃									
Temperature coefficients of Voc	-0.28%/℃									
Temperature coefficients of Isc	0.048%/℃									
Nominal operating cell temperature (NOCT)	45±2℃									
Refer. Bifacial Factor	70±5%									

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum Power (P_{max})	441Wp	446Wp	452Wp	457Wp	462Wp
	Module Efficiency STC (%)	19.94%	20.18%	20.42%	20.65%	20.89%
15%	Maximum Power (P_{max})	483Wp	489Wp	495Wp	500Wp	506Wp
	Module Efficiency STC (%)	21.84%	22.10%	22.36%	22.62%	22.88%
25%	Maximum Power (P_{max})	525Wp	531Wp	538Wp	544Wp	550Wp
	Module Efficiency STC (%)	23.74%	24.02%	24.30%	24.59%	24.87%

* 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: $\pm 3\%$ Voc tolerance: $\pm 3\%$ Isc tolerance: $\pm 4\%$ sorting tolerance: 0~+5W

Jinko Solar Co., Ltd reserves the final right for explanation on any of the information presented hereby. JKM420-440M-78H-TV-A1-EN-For AUSCEC