

Eagle Bifacial HC 72M G2 380-400 Watt

MONO PERC HALF CELL MODULE

Positive power tolerance of 0~+3%



KEY FEATURES



Innovative Solar Cells

5 busbar mono half cell technology



PID Free

World's 1st PID-free module



Higher Lifetime Power Yield

0.5% annual power degradation
30 year linear power warranty



Saving BOS Cost

Designed for high voltage systems of up to 1500 VDC, saving 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.)



Strengthened Mechanical Support

5400 Pa snow load, 2400 Pa wind load

- ISO9001:2008 Quality Standards
- ISO14001:2004 Environmental Standards
- OHSAS18001 Occupational Health & Safety Standards
- IEC61215, IEC61730 certified products

Nomenclature:

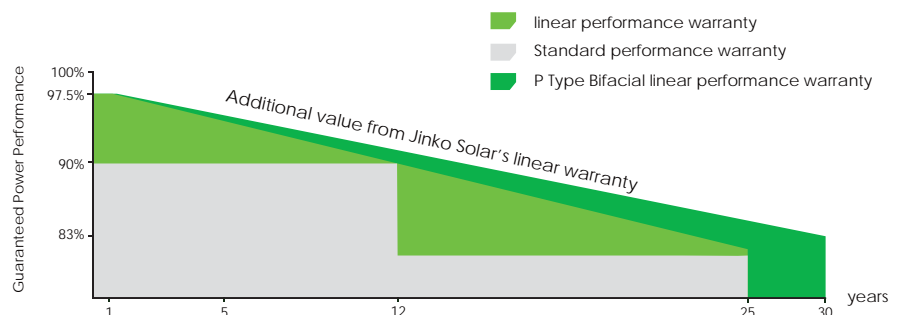
JKM400M-72HL-BDVP

Code	Cell	Code	Certification
null	Full	null	N Type
H	Half	P	P Type

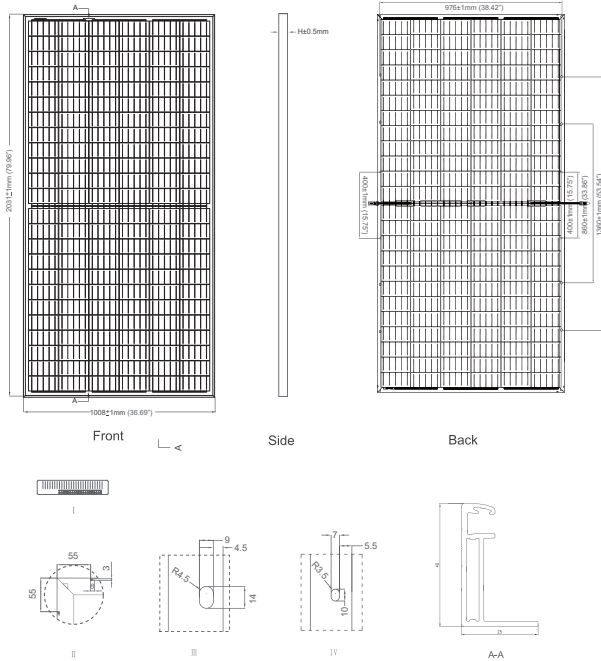


LINEAR PERFORMANCE WARRANTY

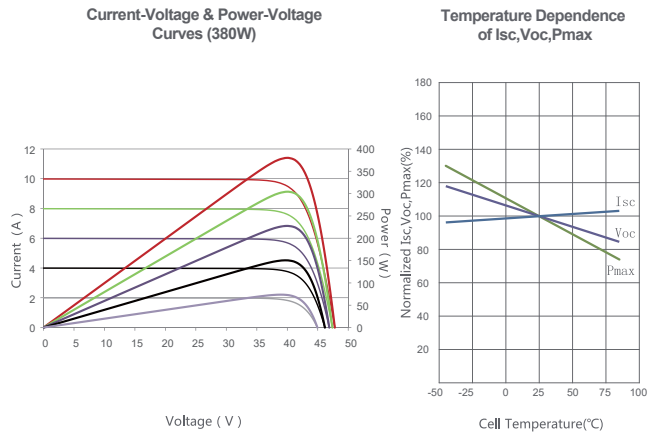
12 Year Product Warranty • 30 Year Linear Power Warranty
0.5% Annual Degradation Over 30 years



Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono PERC Diamond Cell (158.75 x 158.75 mm)
No. of Half-cells	144 (6×24)
Dimensions	2031×1008×40mm (79.96×39.69×1.57 inch)
Weight	31.8 kg (70.11 lbs)
Front Glass	2.5mm, Anti-Reflection Coating
Back Glass	2.5mm heat strengthened glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	12 AWG, (+): 1400mm, (-): 1400mm or customized length

Packaging Configuration

(Two pallets = One stack)

26pcs/pallet, 52pcs/stack, 572pcs/40'HQ Container

SPECIFICATIONS

Module Type	JKM380M-72HL-BDVP		JKM385M-72HL-BDVP		JKM390M-72HL-BDVP		JKM395M-72HL-BDVP		JKM400M-72HL-BDVP	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	380Wp	282Wp	385Wp	285Wp	390Wp	289Wp	395Wp	293Wp	400Wp	296Wp
Maximum Power Voltage (Vmp)	40.0V	36.4V	40.3V	36.6V	40.6V	36.8V	40.8V	37.0V	41.0V	37.2V
Maximum Power Current (Imp)	9.50A	7.75A	9.56A	7.80A	9.62A	7.86A	9.69A	7.92A	9.76A	7.97A
Open-circuit Voltage (Voc)	47.8V	44.0V	48.1V	44.2V	48.3V	44.4V	48.5V	44.6V	48.8V	44.8V
Short-circuit Current (Isc)	9.98A	8.08A	10.04A	8.13A	10.11A	8.18A	10.17A	8.24A	10.24A	8.29A
Module Efficiency STC (%)	18.56%		18.81%		19.05%		19.29%		19.54%	
Operating Temperature (°C)	-40°C~+85°C									
Maximum System Voltage	1500VDC(UL)									
Maximum Series Fuse Rating	20A									
Power Tolerance	0~+3%									
Temperature Coefficients of Pmax	-0.36%/°C									
Temperature Coefficients of Voc	-0.29%/°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

		399Wp	404Wp	410Wp	415Wp	420Wp
5%	Maximum Power (Pmax)	399Wp	404Wp	410Wp	415Wp	420Wp
	Module Efficiency STC (%)	19.49%	19.75%	20.00%	20.26%	20.52%
15%	Maximum Power (Pmax)	437Wp	443Wp	449Wp	454Wp	460Wp
	Module Efficiency STC (%)	21.35%	21.63%	21.91%	22.19%	22.47%
25%	Maximum Power (Pmax)	475Wp	481Wp	488Wp	494Wp	500Wp
	Module Efficiency STC (%)	23.20%	23.51%	23.81%	24.12%	24.42%

* 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%

IEC 60904-1, Photovoltaic devices - Part 1: Measurement of photovoltaic current-voltage characteristics

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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Eagle PERC G2 JKM380-400-72HL-BDVP-F40-A2-US