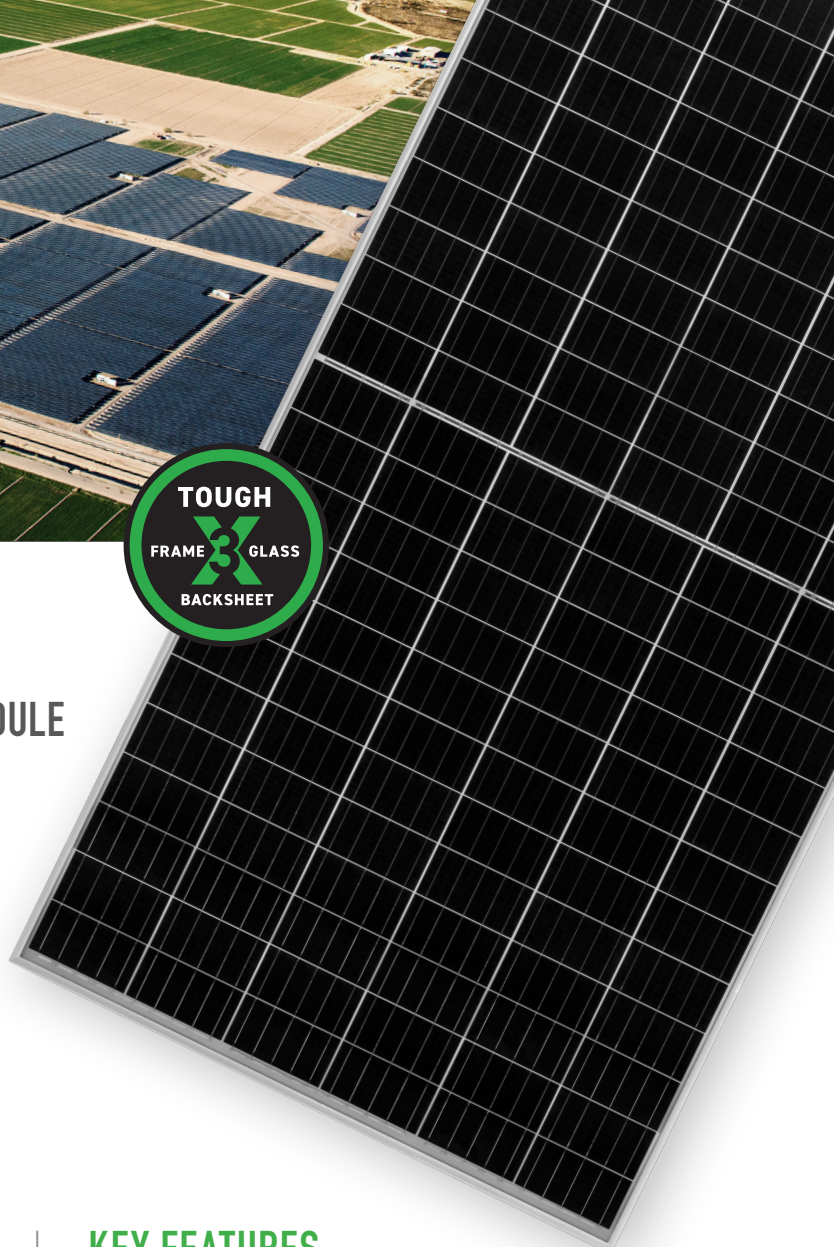




# THE MOST DEPENDABLE SOLAR BRAND



## EAGLE 72HM G2

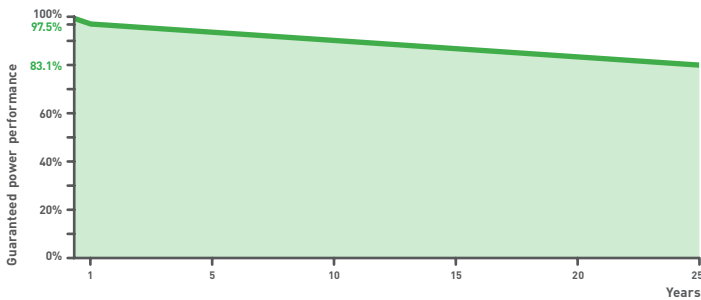
390-410 WATT • HALF CELL MONO PERC MODULE

Positive power tolerance of 0~+3%

- NYSE-listed since 2010, Bloomberg Tier 1 manufacturer
- Best-selling module globally for last 4 years
- Top performance in the strictest 3rd party labs
- Automated manufacturing utilizing artificial intelligence
- Vertically integrated, tight controls on quality
- Premium solar panel factories in USA and Malaysia

## LINEAR PERFORMANCE WARRANTY

25-Year Performance Warranty  
12-Year Workmanship Warranty



\*Warranty details available at <https://jinkosolar.us/download-center/#warranty-documents>

Nomenclature:

Code	Cell	Code	Cell	Code	Certification
JKM410M-72HL-V	Full	Normal	Diamond	1000V	1500V
H	Half	L	V		



- ISO9001:2008 Quality Standards
- ISO14001:2004 Environmental Standards
- IEC61215, IEC61730 certified products
- OHSAS18001 Occupational Health & Safety Standards
- UL1703 certified products

## KEY FEATURES



### Diamond Half Cell Technology

World-record breaking efficient mono PERC half cut solar cells deliver high power in a small footprint.



### Thick and Tough

Fire Type 1 rated module engineered with a thick frame, 3.2mm front side glass, and thick backsheet for added durability.



### Shade Tolerant

Twin array design allows continued performance even with shading by trees or debris.



### Power Boost in Cloudy Conditions

A special film diffuses light, boosting performance even with shading by trees or debris.



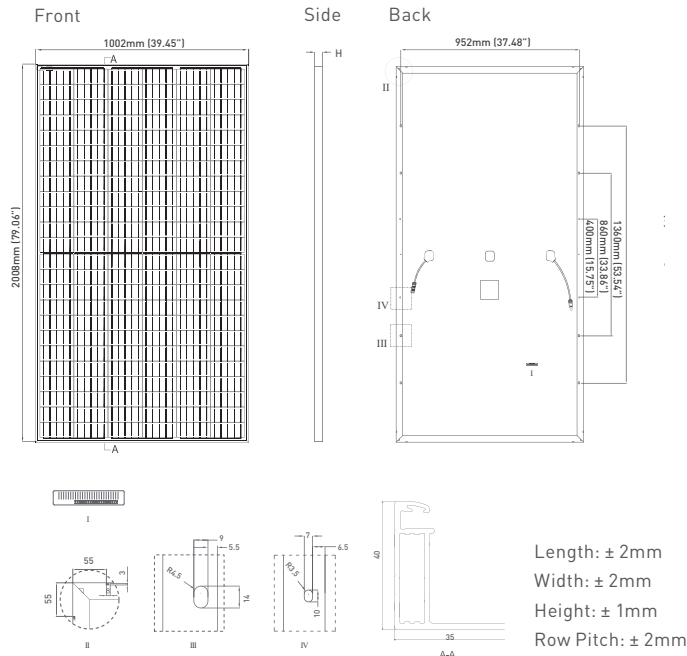
### Protected Against All Environments

Certified to withstand humidity, heat, rain, marine environments, wind, hailstorms, and packed snow.

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## ENGINEERING DRAWINGS



## MECHANICAL CHARACTERISTICS

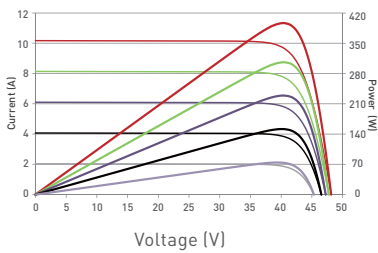
Cells	Mono PERC Diamond Cell (158.75x158.75mm)
No. of Half Cells	144 (6x24)
Dimensions	2008x1002x40mm (79.06x39.45x1.57in)
Weight	22.5kg (49.6lbs)
Front Glass	3.2mm, Anti-Reflection Coating High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP67 Rated
Output Cables	12 AWG, 1400mm (55.12in) or Customized Length
Fire Type	Type 1
Pressure Rating	5400Pa (Snow) & 2400Pa (Wind)
Hailstone Test	50mm Hailstones at 35m/s

## TEMPERATURE CHARACTERISTICS

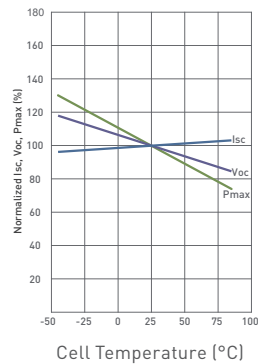
Temperature Coefficients of Pmax	-0.35%/°C
Temperature Coefficients of Voc	-0.29%/°C
Temperature Coefficients of Isc	0.048%/°C
Nominal Operating Cell Temperature (NOCT)	45 $\pm$ 2°C

## ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE

Current-Voltage & Power-Voltage Curves (410W)



Temperature Dependence of Isc, Voc, Pmax



## MAXIMUM RATINGS

Operating Temperature (°C)	-40°C~+85°C
Maximum System Voltage	1500VDC (UL and IEC)
Maximum Series Fuse Rating	20A

## PACKAGING CONFIGURATION

[Two pallets = One stack]
27pcs/pallet, 54pcs/stack, 594pcs/40'HQ Container

## ELECTRICAL CHARACTERISTICS

Module Type	JKM390M-72HL-V		JKM395M-72HL-V		JKM400M-72HL-V		JKM405M-72HL-V		JKM410M-72HL-V	
	STC	NOCT	STC	NOCT	STC	NOCT	SCT	NOCT	SCT	NOCT
Maximum Power (Pmax)	390Wp	287Wp	395Wp	291Wp	400Wp	294Wp	405Wp	298Wp	410Wp	302Wp
Maximum Power Voltage (Vmp)	39.64V	37.0V	39.90V	37.4V	40.16V	37.6V	40.42V	37.8V	40.68V	38.0V
Maximum Power Current (Imp)	9.84A	7.75A	9.90A	7.77A	9.96A	7.82A	10.02A	7.88A	10.08A	7.94A
Open-circuit Voltage (Voc)	48.6V	45.8V	48.8V	46.0V	49.1V	46.2V	49.4V	46.5V	49.6V	46.7V
Short-circuit Current (Isc)	10.46A	8.45A	10.54A	8.51A	10.61A	8.57A	10.69A	8.63A	10.76A	8.69A
Module Efficiency STC (%)	19.38%		19.63%		19.88%		20.13%		20.38%	

\*STC: ☀ Irradiance 1000W/m<sup>2</sup>  
 NOCT: ☀ Irradiance 800W/m<sup>2</sup>

🌡 Cell Temperature 25°C  
 🌡 Ambient Temperature 20°C

☁ AM = 1.5  
 ☁ AM = 1.5    🌬 Wind Speed 1m/s

\*Power measurement tolerance:  $\pm 3\%$

The company reserves the final right for explanation on any of the information presented hereby. JKM390-410M-72HL-V-A4-US

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