



# THE MOST DEPENDABLE SOLAR BRAND

## EAGLE 72HM G3

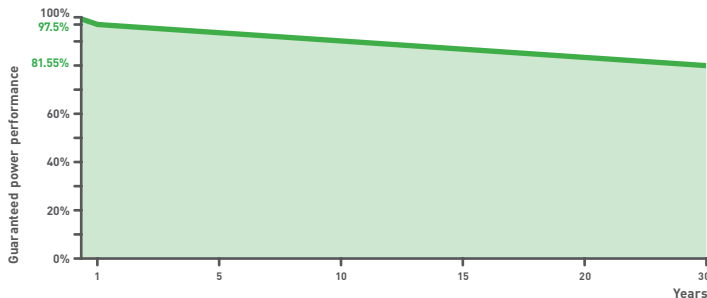
**385-405 WATT BIFACIAL HALF CELL MONO PERC MODULE**

Positive power tolerance of 0~+3%

- NYSE-listed since 2010, Bloomberg Tier 1 manufacturer
- Best-selling module globally for last 3 years
- Top performance in the strictest 3rd party labs
- 99.9% on-time delivery to the installer
- Automated manufacturing utilizing artificial intelligence
- Vertically integrated, tight controls on quality
- Premium solar panel factories in USA and Malaysia

### LINEAR PERFORMANCE WARRANTY

30-Year Performance Warranty



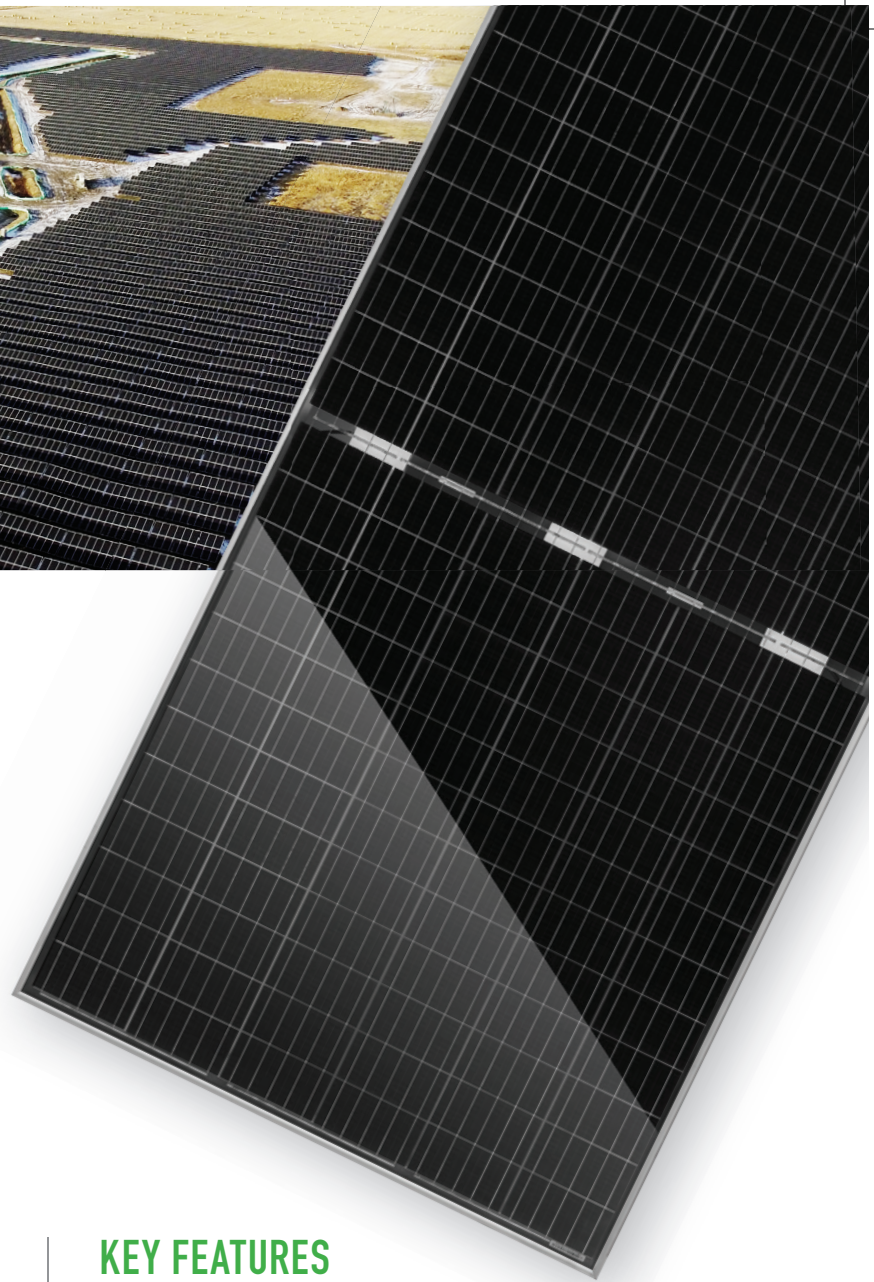
Nomenclature: JKM405M-72HL-TV

Code	Cell	Code	Cell	Code	Certification
null	Full	null	Normal	T	Transparent backsheet
H	Half	L	Diamond		



- ISO9001:2015 Quality Standards
- ISO14001:2015 Environmental Standards
- IEC61215, IEC61730 certified products

- OHSAS18001 Occupational Health & Safety Standards
- UL1703 certified products



### KEY FEATURES



#### Diamond Half Cell Technology

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



#### Bifacial Power Gain

Bifacial cell architecture allows backside bonus and more lifetime power yield.



#### Transparent Backsheet

Easier installation and lower balance of system cost than dual glass solution.



#### Designed for Long Life

Uses the same DuPont protective film as the Space Station, Mars Lander, and jetliners. 30-year warranty.



#### Shade Tolerant

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



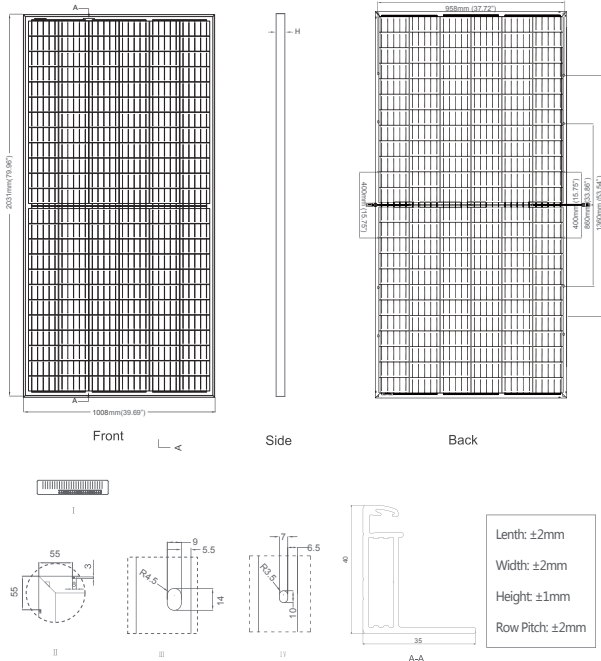
#### Protected Against All Environments

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

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## Engineering Drawings

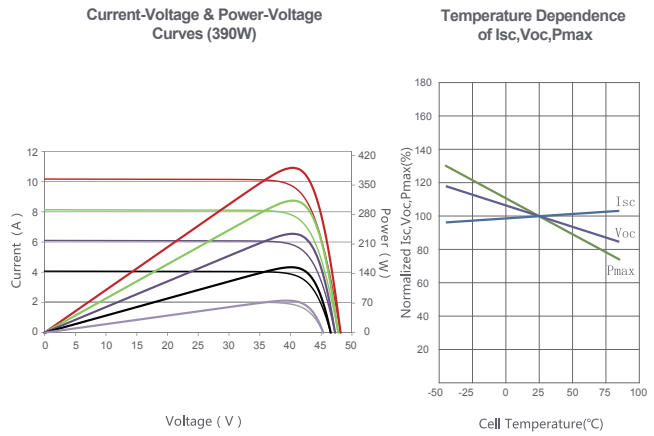


## Packaging Configuration

(Two pallets = One stack)

27pcs/pallet, 54pcs/stack, 594pcs/40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	Mono PERC Diamond Cell (158.75 x 158.75 mm)
No. of Half-cells	144 (6x24)
Dimensions	2031x1008x40mm (79.96x39.69x1.57 inch)
Weight	23.3 kg (51.3 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium 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)

## SPECIFICATIONS

Module Type	JKM385M-72HL-TV		JKM390M-72HL-TV		JKM395M-72HL-TV		JKM400M-72HL-TV		JKM405M-72HL-TV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	385Wp	286Wp	390Wp	290Wp	395Wp	293Wp	400Wp	297Wp	405Wp	301Wp
Maximum Power Voltage (Vmp)	39.50V	36.88V	39.62V	37.22V	39.83V	37.55V	40.01V	37.64V	40.19V	37.77V
Maximum Power Current (Imp)	9.76A	7.75A	9.84A	7.78A	9.92A	7.81A	10.00A	7.89A	10.08A	7.96A
Open-circuit Voltage (Voc)	48.10V	45.30V	48.14V	45.34V	48.26V	45.45V	48.35V	45.54V	48.45V	45.63V
Short-circuit Current (Isc)	10.08A	8.14A	10.17A	8.21A	10.23A	8.26A	10.32A	8.34A	10.42A	8.41A
Module Efficiency STC (%)	18.81%		19.05%		19.29%		19.54%		19.78%	
Operating Temperature (°C)	-40°C~+85°C									
Maximum System Voltage	1500VDC (IEC & UL)									
Maximum Series Fuse Rating	25A									
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

		JKM385M-72HL-TV	JKM390M-72HL-TV	JKM395M-72HL-TV	JKM400M-72HL-TV	JKM405M-72HL-TV
5%	Maximum Power (Pmax)	404Wp	410Wp	415Wp	420Wp	425Wp
	Module Efficiency STC (%)	19.75%	20.00%	20.26%	20.52%	20.77%
15%	Maximum Power (Pmax)	443Wp	449Wp	454Wp	460Wp	466Wp
	Module Efficiency STC (%)	21.63%	21.91%	22.19%	22.47%	22.75%
25%	Maximum Power (Pmax)	481Wp	488Wp	494Wp	500Wp	506Wp
	Module Efficiency STC (%)	23.51%	23.81%	24.12%	24.42%	24.73%

\* STC: Irradiance 1000W/m<sup>2</sup> Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m<sup>2</sup> 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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JKM385-405M-72HL-TV-F40-A3.1-US