

Jinko Solar Eagle 72HM G2 JKM400M



Brand: JinkoSolar Holding Co., Ltd.

Product Code: G2 JKM400M-72HL-V

Availability: In Stock

Weight: 0.00kg

Dimensions: 100.00cm x 100.00cm x 100.00cm

Price: \$900.00

Ex Tax: \$900.00

Short Description

In-depth review of the JinkoSolar 400W solar panel including efficiency, warranty details, pricing and real-world performance. Get the full analysis before buying.

Description

Product Name and Model Number	72HM G2 JKM400M-72HL-V
Manufacturer Name and Rating	Jinko Solar
Rated Power Output	400 watt
Efficiency Percentage	19.88%
Power Tolerance	+3.0%
Temperature Coefficient	-0.36%/°C
Resiliency Specs	Snow load: 5400Pa
Output Warranty Term Length	25 year
Output Warranty Decline Rate	-0.6%
Materials Warranty Term Length	10 year
Cell Color(s)	Black
Frame	Silver Anodized
Backsheet Color(s)	Silver
Cell Type (e.g. monocrystalline)	Monocrystalline
Panel Dimensions	2008 X 1000 X 35mm
Weight	49.6 lbs
Number of Cells	144 half-cells
Connector Type	MC4
Manufacturer Location	USA Jacksonville, FL
Certifications Received (UL, IEC, ISO)	IEC, UL, ISO

Output Warranty Term 25 year, Standard

Output Decline

- Year 1 2.5%
- Years 2 to 25 0.6%
- Output at End of Warranty Term 83.1%
- Materials Warranty Term 10 years

Eagle 72HM G2

380-400 Watt

MONO PERC HALF CELL MODULE

Positive power tolerance of 0~+3%

KEY FEATURES



Diamond Cell Technology

Uniquely designed high performance 5 busbar mono PERC half cell



High Voltage

UL and IEC 1500V certified; lowers BOS costs and yields better LCOE



Higher Module Power

Decrease in current loss yields higher module efficiency



Shade Tolerance

More shade tolerance due to twin arrays



PID FREE

Reinforced cell prevents potential induced degradation



Strength and Durability

Certified for high snow (5400 Pa) and wind (2400 Pa) loads

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

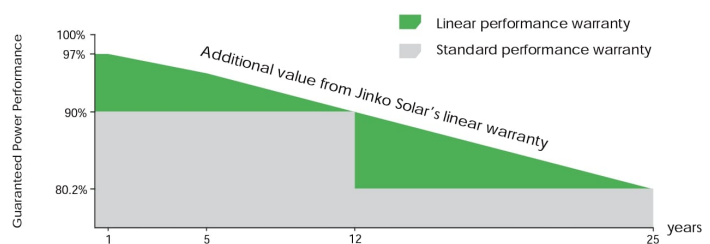
Nomenclature:
JKM400M-72HL-V

Code	Cell	Code	Cell	Code	Certification
null	Full	null	Normal	null	1000V
H	Half	L	Diamond	V	1500V

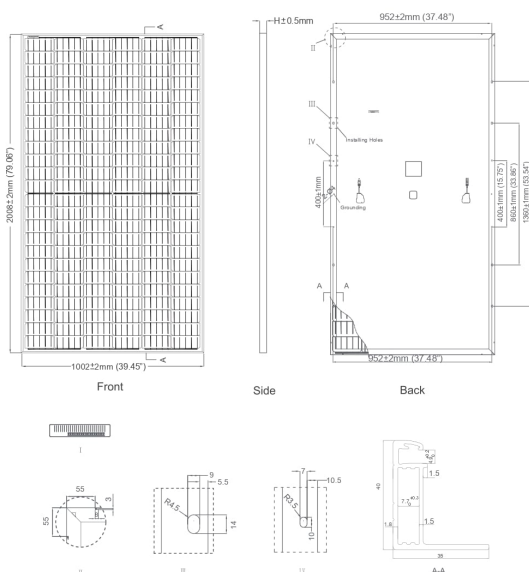


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings



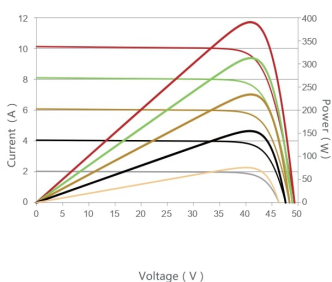
Packaging Configuration

(Two pallets = One stack)

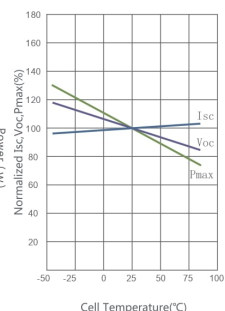
26pcs/pallet, 52pcs/stack, 572pcs/40'HQ Container

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (390W)



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

Cell Type Mono PERC Diamond Cell (158.75 x 158.75 mm)

No. of Half-cells 144 (6×24)

Dimensions 2008×1002×40mm (79.06×39.45×1.57 inch)

Weight 22.5 kg (49.6 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, Anode 1400mm(55.12 in), Cathode 1400mm(55.12 in) or Customized Length

Fire Type Type 1

SPECIFICATIONS

Module Type	JKM380M-72HL-V		JKM385M-72HL-V		JKM390M-72HL-V		JKM395M-72HL-V		JKM400M-72HL-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	380Wp	286Wp	385Wp	290Wp	390Wp	294Wp	395Wp	298Wp	400Wp	302Wp
Maximum Power Voltage (Vmp)	40.5V	38.6V	40.8V	38.8V	41.1V	39.1V	41.4V	39.3V	41.7V	39.6V
Maximum Power Current (Imp)	9.39A	7.42A	9.44A	7.48A	9.49A	7.54A	9.55A	7.60A	9.60A	7.66A
Open-circuit Voltage (Voc)	48.9V	47.5V	49.1V	47.7V	49.3V	48.0V	49.5V	48.2V	49.8V	48.5V
Short-circuit Current (Isc)	9.75A	7.88A	9.92A	7.95A	10.12A	8.02A	10.23A	8.09A	10.36A	8.16A
Module Efficiency STC (%)	18.89%		19.14%		19.38%		19.63%		19.88%	
Operating Temperature (°C)	-40°C~+85°C									
Maximum System Voltage	1500VDC(UL)/1500VDC(IEC)									
Maximum Series Fuse Rating	20A									
Power Tolerance	0~+3%									
Temperature Coefficients of Pmax	-0.36%/°C									
Temperature Coefficients of Voc	-0.28%/°C									
Temperature Coefficients of Isc	0.048%/°C									
Nominal Operating Cell Temperature (NOCT)	45±2°C									

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%

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

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JKM380-400M-72HL-V-A2-US

Warranty Specifications

Warranty Specifications

JinkoSolar panel offers a linear production warranty 25-year guaranteeing the panel will retain 82.1 % of its original capacity through the end of the 25th year, and a 10-year product warranty on every panel they manufacture. The warranty ensures all solar panels to be defect free and with normal use and proper installation for 10 years from date of purchase.

Specification

Solar Panel Configuration	
Cell Type	P type Monocrystalline
Panel Aesthetics	Black Cell, Silver Frame, Silver Backsheet
Panel Dimensions	2008.0 mm L, 1002.0 mm W, 40.0 mm D
Power Rating	400W
Snow load	5400 Pa
Wind Load	2400 Pa
Solar Panel Warranty	
Linear Production	25 Years
Warranty Term	
Product Warranty Term	25 Years
PV Product Performance	
Efficiency	19.88%
Max Power Output	400W
Power Tolerance	0/+3%
Temperature Coefficient	PMax: -0.36 Voc: -0.28
Others	
Average Cost / Watt	\$3.10
Where it's Made	Made in Jacksonville, Florida