EAGLE
MODULES

THE MOST DEPENDABLE SOLAR BRAND

EAGLE 72HM G5b

515-535 WATT • HALF CELL BIFACIAL

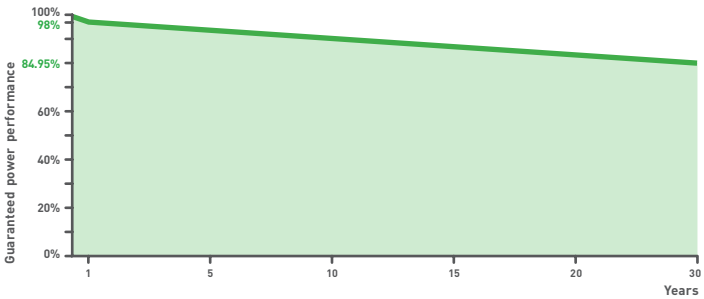
Positive power tolerance of 0~+3%

Featuring
Diamond
Half Cell
Technology

- 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

30-Year Performance Warranty



- ISO9001:2015 Quality Standards
- ISO14001:2015 Environmental Standards
- IEC61215, IEC61730 certified products
- ISO45001:2018 Occupational Health & Safety Standards
- UL61730 certified products

KEY FEATURES

Multi Busbar Half Cell Technology
High efficiency 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.

Light-Weight Design
Use of transparent backsheet allows for easy installation and lower BOS cost.

Thick and Tough
Engineered with 40mm frame, 3.2mm front side glass, and Type 1 backsheet for added durability.

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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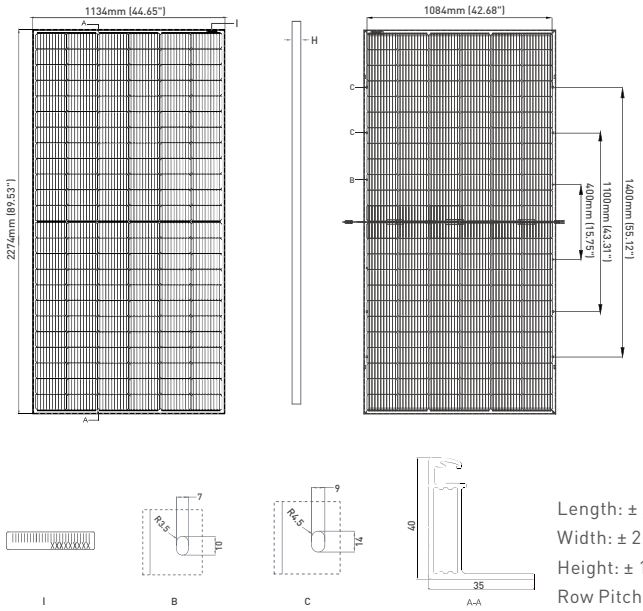
Jinko Solar

ENGINEERING DRAWINGS

Front Side Back



Length: ± 2mm
Width: ± 2mm
Height: ± 1mm
Row Pitch: ± 2mm

MECHANICAL CHARACTERISTICS

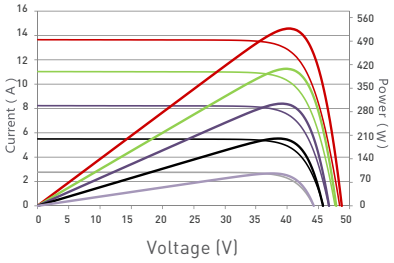
No. of Half Cells	144 (2x72)
Dimensions	2274×1134×40mm (89.53×44.65×1.57in)
Weight	29.4kg (64.82lbs)
Front Glass	3.2mm, Anti-Reflection Coating High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Output Cables	12 AWG, 1400mm (55.12in) or Customized Length
Fire Type	Type 1
Pressure Rating	5400Pa (Snow) & 2400Pa (Wind)
Hailstone Test	55mm Hailstones at 34m/s

TEMPERATURE CHARACTERISTICS

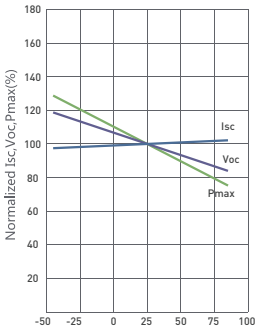
Temperature Coefficients of Pmax	-0.35%/°C
Temperature Coefficients of Voc	-0.28%/°C
Temperature Coefficients of Isc	0.048%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C
Refer. Bifacial Factor	70±5%

ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE

Current-Voltage & Power-Voltage Curves (520W)



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	30A

PACKAGING CONFIGURATION

(Two pallets = One stack)

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

BIFACIAL OUTPUT-REARSIDE POWER GAIN

5%	Maximum Power (Pmax)	541Wp	546Wp	551Wp	557Wp	562Wp
	Module Efficiency (%)	20.97%	21.17%	21.38%	21.58%	21.78%
15%	Maximum Power (Pmax)	592Wp	598Wp	604Wp	610Wp	615Wp
	Module Efficiency (%)	22.97%	23.19%	23.41%	23.64%	23.86%
25%	Maximum Power (Pmax)	644Wp	650Wp	656Wp	663Wp	669Wp
	Module Efficiency (%)	24.96%	25.21%	25.45%	25.69%	25.93%

ELECTRICAL CHARACTERISTICS

Module Type	JKM515M-72HL4-TV		JKM520M-72HL4-TV		JKM525M-72HL4-TV		JKM530M-72HL4-TV		JKM535M-72HL4-TV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	515Wp	383Wp	520Wp	387Wp	525Wp	391Wp	530Wp	394Wp	535Wp	398Wp
Maximum Power Voltage (Vmp)	40.40V	37.49V	40.50V	37.60V	40.61V	37.74V	40.71V	37.88V	40.81V	37.98V
Maximum Power Current (Imp)	12.75A	10.22A	12.84A	10.29A	12.93A	10.35A	13.02A	10.41A	13.11A	10.48A
Open-circuit Voltage (Voc)	49.12V	46.36V	49.20V	46.44V	49.27V	46.50V	49.35V	46.58V	49.42V	46.65V
Short-circuit Current (Isc)	13.47A	10.88A	13.54A	10.94A	13.64A	11.02A	13.71A	11.07A	13.79A	11.14A
Module Efficiency STC (%)	19.97%		20.17%		20.36%		20.55%		20.75%	

***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%

The company reserves the final right for explanation on any of the information presented hereby. JKM515-535M-72HL4-TV-F1-US

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