



# THE MOST DEPENDABLE SOLAR PRODUCT

## EAGLE 72HM G5b

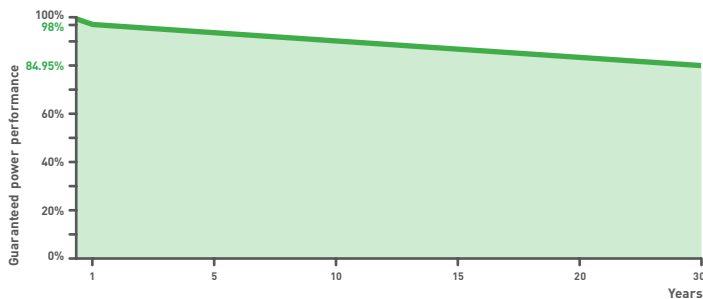
525-545 WATT • HALF CELL BIFACIAL

Positive power tolerance of 0~+3%

- NYSE-listed since 2010, Bloomberg Tier 1 manufacturer
- Top performance in the strictest 3<sup>rd</sup> party labs
- Automated manufacturing utilizing artificial intelligence
- Vertically integrated, tight controls on quality
- Premium solar factories in USA, Vietnam, and Malaysia

### LINEAR PERFORMANCE WARRANTY

30-Year Performance Warranty  
12-Year Workmanship Warranty



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

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



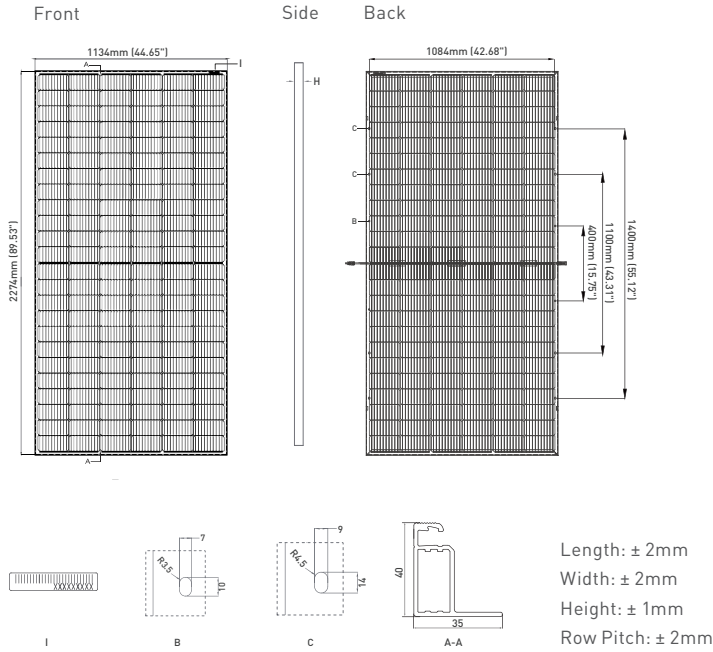
### KEY FEATURES

- 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**  
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.
- Protected Against All Environments**  
Certified to withstand humidity, heat, rain, marine environments, wind, hailstorms, and packed snow.

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## ENGINEERING DRAWINGS



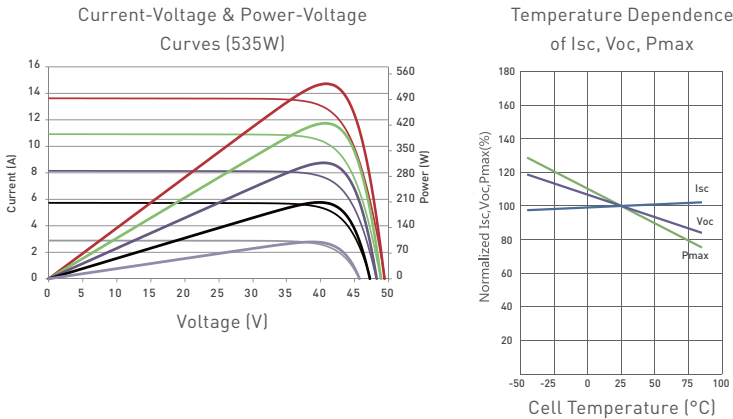
## MECHANICAL CHARACTERISTICS

|                   |   |
|-------------------|---|
| 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<br>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



## 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-REAR SIDE POWER GAIN

|     | Maximum Power (Pmax)  | 551Wp  | 557Wp  | 562Wp  | 567Wp  | 572Wp  |
|-----|-----------------------|--------|--------|--------|--------|--------|
| 5%  | Module Efficiency (%) | 21.38% | 21.58% | 21.78% | 21.99% | 22.19% |
| 15% | Maximum Power (Pmax)  | 604Wp  | 610Wp  | 615Wp  | 621Wp  | 623Wp  |
|     | Module Efficiency (%) | 23.41% | 23.64% | 23.86% | 24.08% | 24.30% |
| 25% | Maximum Power (Pmax)  | 656Wp  | 663Wp  | 669Wp  | 675Wp  | 681Wp  |
|     | Module Efficiency (%) | 25.45% | 25.69% | 25.93% | 26.18% | 26.42% |

## ELECTRICAL CHARACTERISTICS

| Module Type                 | JKM525M-72HL4-TV |        | JKM530M-72HL4-TV |        | JKM535M-72HL4-TV |        | JKM540M-72HL4-TV |        | JKM545M-72HL4-TV |        |
|-----------------------------|------------------|--------|------------------|--------|------------------|--------|------------------|--------|------------------|--------|
|                             | STC              | NOCT   | STC              | NOCT   | STC              | NOCT   | STC              | NOCT   | STC              | NOCT   |
| Maximum Power (Pmax)        | 525Wp            | 391Wp  | 530Wp            | 394Wp  | 535Wp            | 398Wp  | 540Wp            | 402Wp  | 545Wp            | 405Wp  |
| Maximum Power Voltage (Vmp) | 40.61V           | 37.74V | 40.71V           | 37.88V | 40.81V           | 37.98V | 40.91V           | 38.08V | 41.07V           | 38.18V |
| Maximum Power Current (Imp) | 12.93A           | 10.35A | 13.02A           | 10.41A | 13.11A           | 10.48A | 13.20A           | 10.55A | 13.27A           | 10.62A |
| Open-circuit Voltage (Voc)  | 49.27V           | 46.50V | 49.35V           | 46.58V | 49.42V           | 46.65V | 49.49V           | 46.71V | 49.65V           | 46.86V |
| Short-circuit Current (Isc) | 13.64A           | 11.02A | 13.71A           | 11.07A | 13.79A           | 11.14A | 13.87A           | 11.20A | 13.94A           | 11.26A |
| Module Efficiency STC (%)   | 20.36%           |        | 20.55%           |        | 20.75%           |        | 20.94%           |        | 21.13%           |        |

\*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  
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🌀 Wind Speed 1m/s

\*Power measurement tolerance: ±3%

The company reserves the final right for explanation on any of the information presented hereby. JKM525-545M-72HL4-TV-F1-US

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