



THE MOST DEPENDABLE SOLAR PRODUCT

EAGLE 72HM G5b

525-545 WATT • HALF CELL BIFACIAL

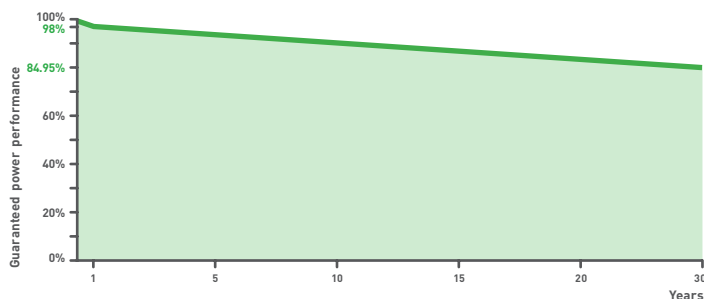
Positive power tolerance of 0~+3%

- NYSE-listed since 2010, Bloomberg Tier 1 manufacturer
- Top performance in the strictest 3rd 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

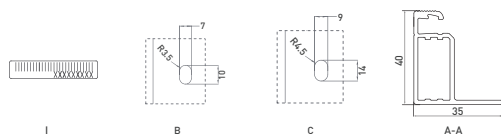
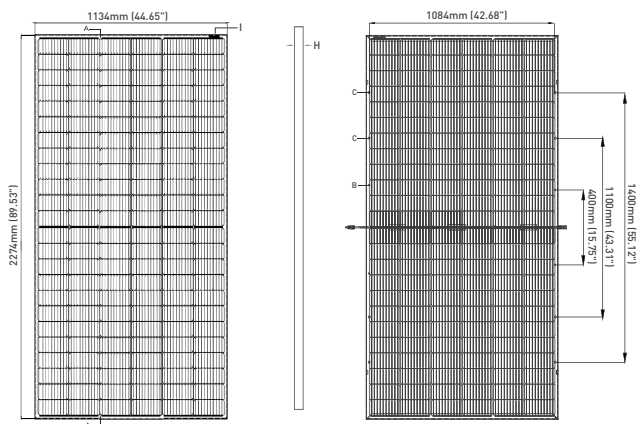
Certified to withstand humidity, heat, rain, marine environments, wind, hailstorms, and packed snow.

ENGINEERING DRAWINGS

Front

Side

Back



Length: $\pm 2\text{mm}$
 Width: $\pm 2\text{mm}$
 Height: $\pm 1\text{mm}$
 Row Pitch: $\pm 2\text{mm}$

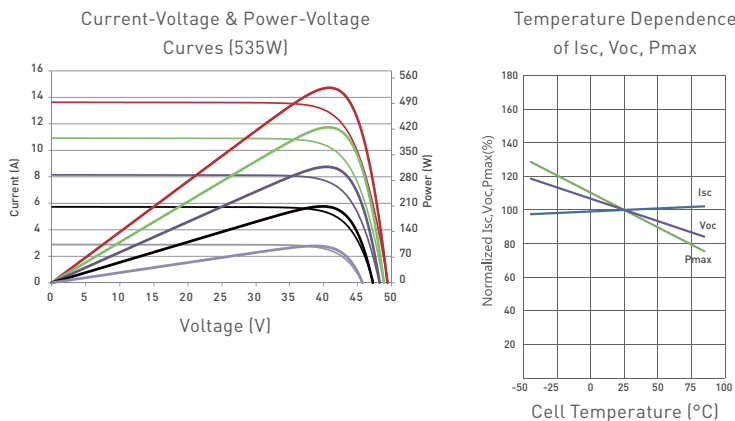
MECHANICAL CHARACTERISTICS

| | |
|-------------------|---|
| 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



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

| | | | | | | |
|-----|-----------------------|--------|--------|--------|--------|--------|
| 5% | Maximum Power (Pmax) | 551Wp | 557Wp | 562Wp | 567Wp | 572Wp |
| | 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/m²
 NOCT: ☀ Irradiance 800W/m²

🌡 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. JKM525-545M-72HL4-TV-F1-US

BUILDING YOUR TRUST IN SOLAR. WWW.JINKOSOLAR.US

Jinko Solar