



THE MOST DEPENDABLE SOLAR PRODUCT

EAGLE® G6R

420-440 WATT • N-TYPE TOPCON

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

KEY FEATURES



Superior Aesthetics

Black backsheet and black frame create ideal look for residential applications.



N-Type Technology

N-type cells with Jinko's in-house TOPCon technology offers better performance and improved reliability.



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.



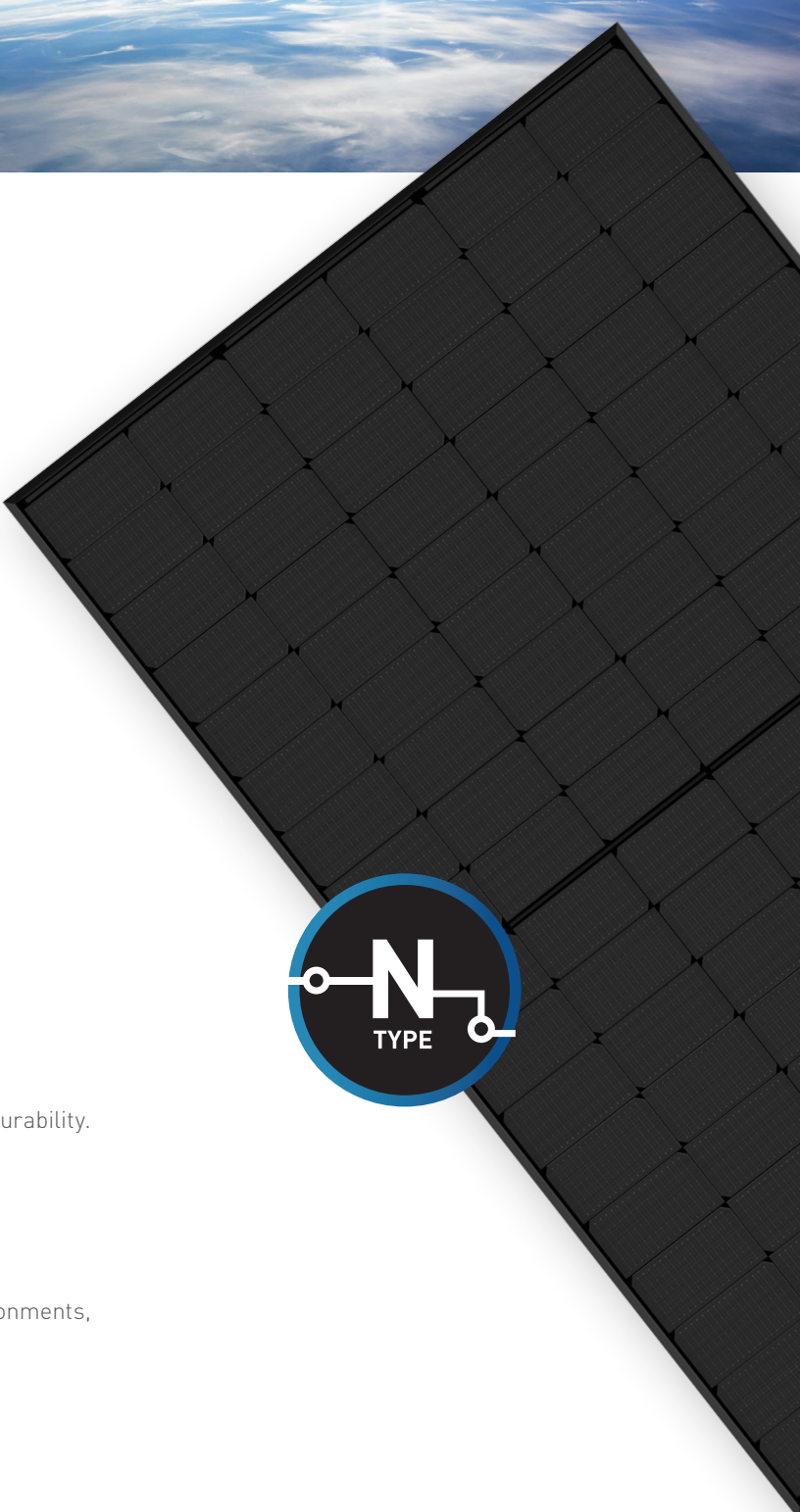
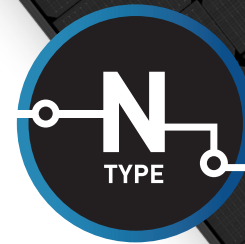
Protected Against All Environments

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



Warranty

25-year product and 30-year linear power warranty.



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

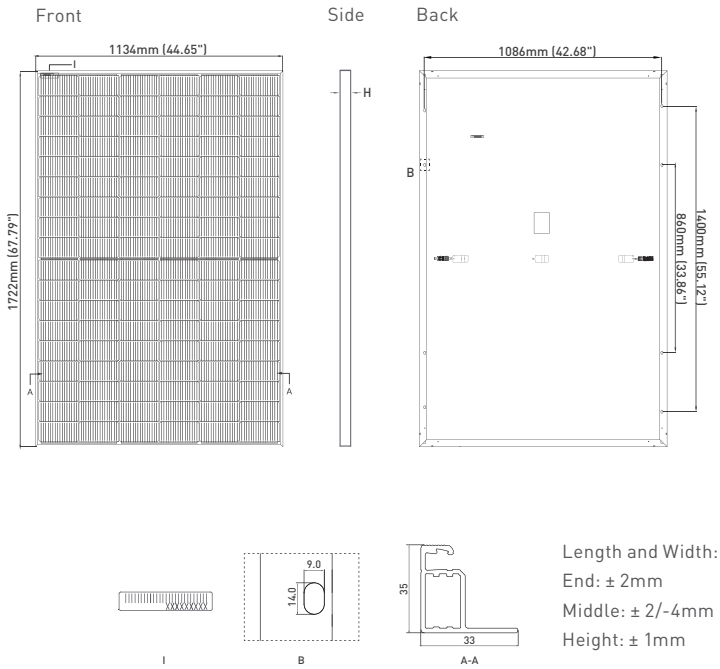
- ISO45001:2018 Occupational Health & Safety Standards
- UL61730 certified products



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Solar
Jinko

ENGINEERING DRAWINGS



MECHANICAL CHARACTERISTICS

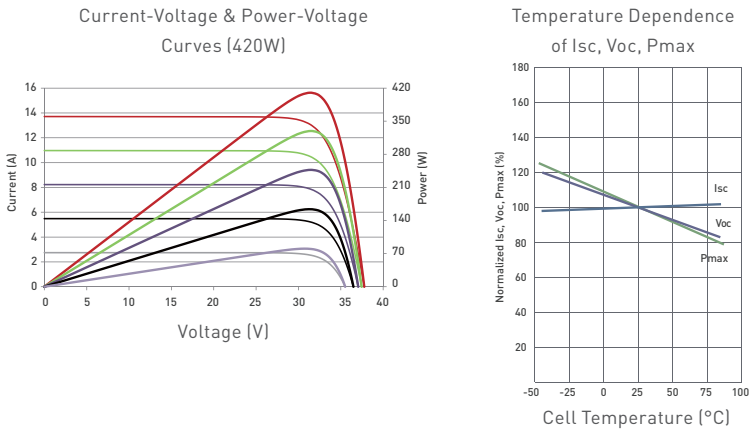
| | |
|-------------------|---|
| No. of Half Cells | 108 (2 x 54) |
| Dimensions | 1722 x 1134 x 35mm (67.79 x 44.65 x 1.38 inch) |
| Weight | 21.0kg (46.3lbs) |
| Front Glass | 3.2mm, Anti-Reflection Coating High Transmission, Low Iron, Tempered Glass |
| Frame | Anodized Aluminum Alloy |
| Junction Box | IP68 Rated |
| Output Cables | 12 AWG, 1400mm (55.12in) or Customized Length |
| Connector | Staubli MC4 |
| Fire Type | Type 1 |
| Pressure Rating | 5400Pa (Snow) & 2400Pa (Wind)* |

*see Supplemental Installation Manual for higher wind pressure rating solutions

TEMPERATURE CHARACTERISTICS

| | |
|---|--------------|
| Temperature Coefficients of Pmax | -0.29%/°C |
| Temperature Coefficients of Voc | -0.25%/°C |
| Temperature Coefficients of Isc | 0.045%/°C |
| Nominal Operating Cell Temperature (NOCT) | 45 \pm 2°C |

ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE



MAXIMUM RATINGS

| | |
|----------------------------|-------------|
| Operating Temperature (°C) | -40°C~+85°C |
| Maximum System Voltage | 1000VDC |
| Maximum Series Fuse Rating | 25A |

PACKAGING CONFIGURATION

(Two pallets = One stack)

31pcs/pallets, 62pcs/stack, 806pcs/40 HQ Container

WARRANTY

25-year product and 30-year linear power warranty

1st year degradation not to exceed 1%, each subsequent year not to exceed 0.4%, minimum power at year 30 is 87.4% or greater.

ELECTRICAL CHARACTERISTICS

| Module Type | JKM420N-54HL4-B | | JKM425N-54HL4-B | | JKM430N-54HL4-B | | JKM435N-54HL4-B | | JKM440N-54HL4-B | |
|-----------------------------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power [Pmax] | 420Wp | 316Wp | 425Wp | 320Wp | 430Wp | 323Wp | 435Wp | 327Wp | 440Wp | 331Wp |
| Maximum Power Voltage [Vmp] | 32.16V | 29.95V | 32.37V | 30.19V | 32.58V | 30.30V | 32.78V | 30.50V | 32.99V | 30.73V |
| Maximum Power Current [Imp] | 13.06A | 10.55A | 13.13A | 10.60A | 13.20A | 10.66A | 13.27A | 10.72A | 13.34A | 10.77A |
| Open-circuit Voltage [Voc] | 38.74V | 36.80V | 38.95V | 37.00V | 39.16V | 37.20V | 39.36V | 37.39V | 39.57V | 37.59V |
| Short-circuit Current [Isc] | 13.51A | 10.91A | 13.58A | 10.96A | 13.65A | 11.02A | 13.72A | 11.08A | 13.80A | 11.14A |
| Module Efficiency STC (%) | 21.51% | | 21.76% | | 22.02% | | 22.28% | | 22.53% | |

*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. JKM420-440N-54HL4-B-F4-US

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