



THE MOST DEPENDABLE SOLAR BRAND



EAGLE 60HM G2

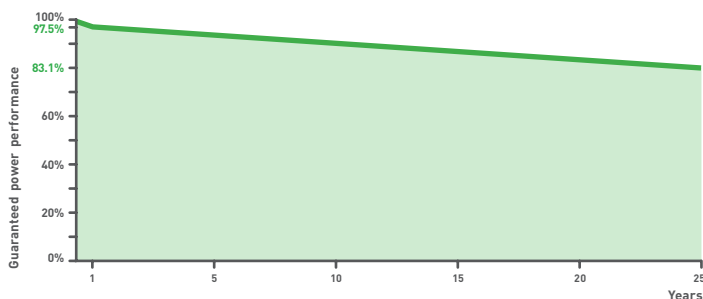
310-330 WATT • HALF CELL MONO PERC MODULE

Positive power tolerance of 0~+3%

- NYSE-listed since 2010, Bloomberg Tier 1 manufacturer
- Best-selling panel 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 assembly in USA and Malaysia

LINEAR PERFORMANCE WARRANTY

25-Year Performance Warranty



Nomenclature:

| Code | Cell | Code | Backsheet | Code | Cell |
|------|------|------|-----------|------|---------|
| null | Full | null | White | null | Normal |
| H | Half | B | Black | L | Diamond |



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

KEY FEATURES



Diamond Half Cell Technology

World-record breaking efficient mono PERC half cut solar cells deliver high power in a small footprint.



Thick and Tough

Engineered with 35mm 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.



Power Boost in Cloudy Conditions

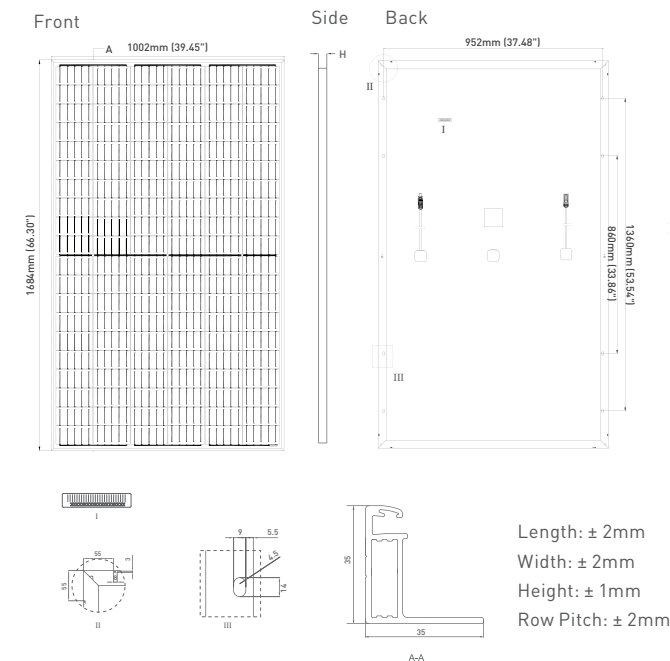
A special film diffuses light, boosting performance even without direct sunlight.



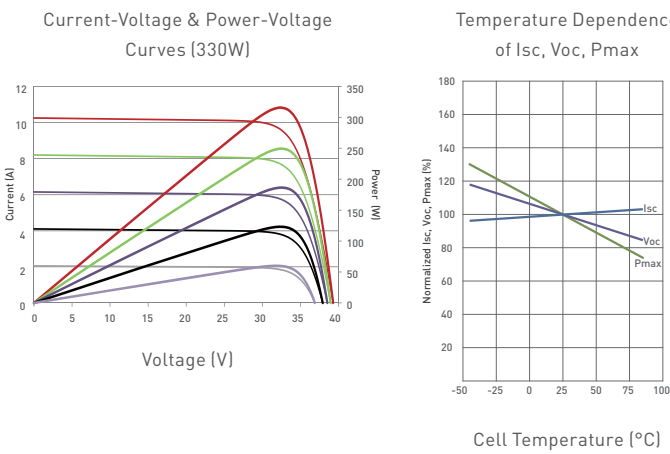
Protected Against All Environments

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

ENGINEERING DRAWINGS



ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE



MECHANICAL CHARACTERISTICS

| | |
|-------------------|---|
| Cells | Mono PERC Diamond Cell (158.75x158.75mm) |
| No. of Half Cells | 120 (6x20) |
| Dimensions | 1684x1002x35mm (66.30x39.45x1.38in) |
| Weight | 19.0kg (41.9lbs) |
| Front Glass | 3.2mm, Anti-Reflection Coating High Transmission, Low Iron, Tempered Glass |
| Frame | Anodized Aluminum Alloy |
| Junction Box | IP67 Rated |
| Output Cables | 12 AWG, 1825mm (71.85in) or Customized Length |
| Connector | MC4 |
| Fire Type | Type 1 |
| Pressure Rating | 5400Pa (Snow) & 2400Pa (Wind) |

TEMPERATURE CHARACTERISTICS

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

MAXIMUM RATINGS

| | |
|----------------------------|-------------|
| Operating Temperature (°C) | -40°C~+85°C |
| Maximum System Voltage | 1000VDC |
| Maximum Series Fuse Rating | 20A |

PACKAGING CONFIGURATION

| |
|---|
| (Two pallets = One stack) |
| 31pcs/pallet, 62pcs/stack, 806pcs/40'HQ Container |

ELECTRICAL CHARACTERISTICS

| Module Type | JKM310M-60HBL | | JKM315M-60HBL | | JKM320M-60HBL | | JKM325M-60HBL | | JKM330M-60HBL | |
|-----------------------------|---------------|-------|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax) | 310Wp | 231Wp | 315Wp | 235Wp | 320Wp | 239Wp | 325Wp | 242Wp | 330Wp | 246Wp |
| Maximum Power Voltage (Vmp) | 33.0V | 31.0V | 33.2V | 31.2V | 33.4V | 31.4V | 33.6V | 31.6V | 33.8V | 31.8V |
| Maximum Power Current (Imp) | 9.40A | 7.49A | 9.49A | 7.56A | 9.59A | 7.62A | 9.68A | 7.66A | 9.77A | 7.74A |
| Open-circuit Voltage (Voc) | 40.5V | 37.4V | 40.7V | 37.6V | 40.9V | 37.8V | 41.1V | 38.0V | 41.3V | 38.2V |
| Short-circuit Current (Isc) | 9.92A | 8.20A | 10.04A | 8.33A | 10.15A | 8.44A | 10.20A | 8.54A | 10.31A | 8.65A |
| Module Efficiency STC (%) | 18.37% | | 18.67% | | 18.96% | | 19.26% | | 19.56% | |

***STC:** ☀ Irradiance 1000W/m²

NOCT: ☀ Irradiance 800W/m²

*Power measurement tolerance: ±3%

🌡 Cell Temperature 25°C

🌡 Ambient Temperature 20°C

☁ AM = 1.5

☁ AM = 1.5

🌀 Wind Speed 1m/s