

Eagle HC 60M-V 310-330 Watt

MONO CRYSTALLINE MODULE

Positive power tolerance of 0~+3%

- Half Cell
- Mono PERC 60 Cell
- System Voltage: 1500 VDC



PERC



KEY FEATURES



System Voltage:

The maximum voltage is promoted to 1500V and the module strings are extended by 50% which reduces the overall system BOS.



5 Busbar Solar Cell:

5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



High Efficiency:

Higher module conversion efficiency (up to 19.98%) benefits from Half Cells structure (low resistance characteristics).



PID RESISTANT:

Limited power degradation of Eagle module caused by PID effect is guaranteed under strict testing condition (85 C /85%RH,96hours) for mass production.



Low-light Performance:

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



Severe Weather Resilience:

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability against extreme environmental conditions:

High salt mist and ammonia resistance certified by TUV NORD.

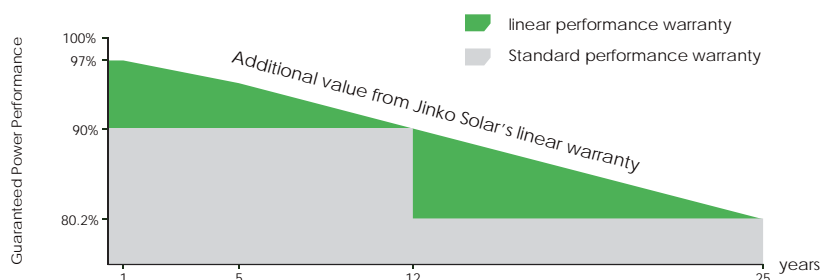


LINEAR PERFORMANCE WARRANTY

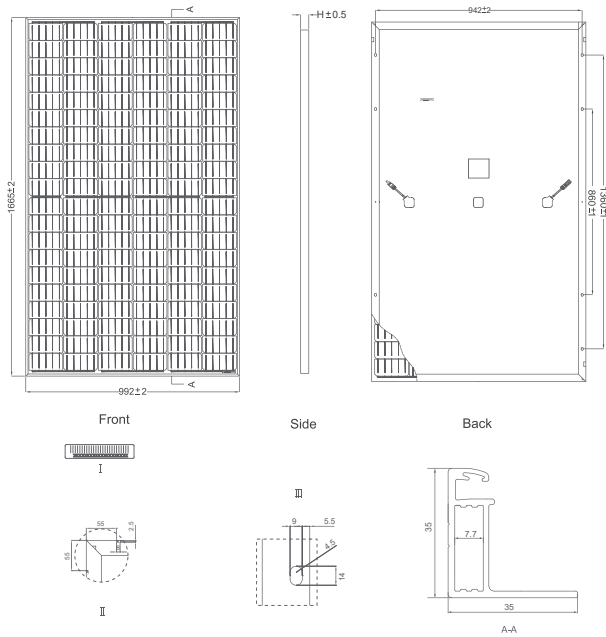
10 Year Product Warranty • 25 Year Linear Power Warranty

• ISO9001:2008、ISO14001:2004、OHSAS18001 certified factory.

• IEC61215、IEC61730 certified products



Engineering Drawings

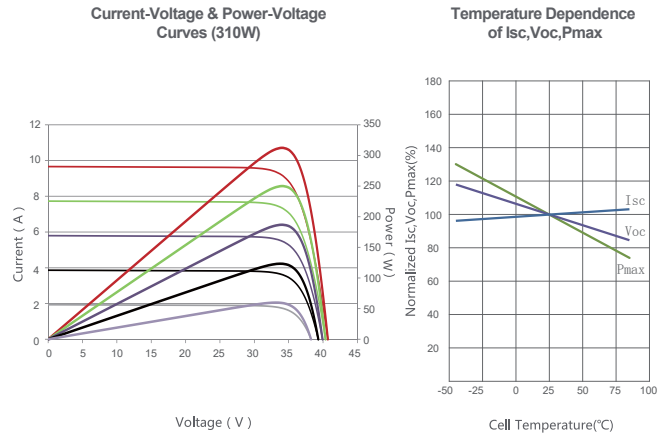


Packaging Configuration

(Two pallets =One stack)

30pcs/pallet , 60pcs/stack, 780 pcs/40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

| | |
|------------------|---|
| Cell Type | Mono-crystalline PERC 156×156mm (6 inch) |
| No.of Half-cells | 120 (12×10) |
| Dimensions | 1665×992×35mm (65.55×39.05×1.37 inch) |
| Weight | 19.0 kg (41.9 lbs) |
| Front Glass | 3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP67 Rated |
| Output Cables | anode 290mm, cathode 145mm or Customized Length |

SPECIFICATIONS

| Module Type | JKM310M-60H-V | | JKM315M-60H-V | | JKM320M-60H-V | | JKM325M-60H-V | | JKM330M-60H-V | |
|---|----------------|-------|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| | 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 (%) | 18.77% | | 19.07% | | 19.37% | | 19.68% | | 19.98% | |
| Operating Temperature(°C) | -40°C~+85°C | | | | | | | | | |
| Maximum system voltage | 1500V DC (IEC) | | | | | | | | | |
| Maximum series fuse rating | 20A | | | | | | | | | |
| Power tolerance | 0~+3% | | | | | | | | | |
| 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 | | | | | | | | | |

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%