

Eagle HC 60P-V 265-285 Watt

POLY CRYSTALLINE MODULE

Positive power tolerance of 0~+3%

- Half Cell
- Poly 60 Cell
- System Voltage: 1500 VDC



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 17.26%) 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, 96 hours) 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.

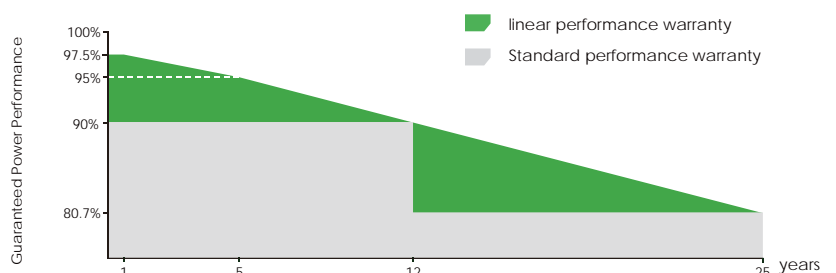


LINEAR PERFORMANCE WARRANTY

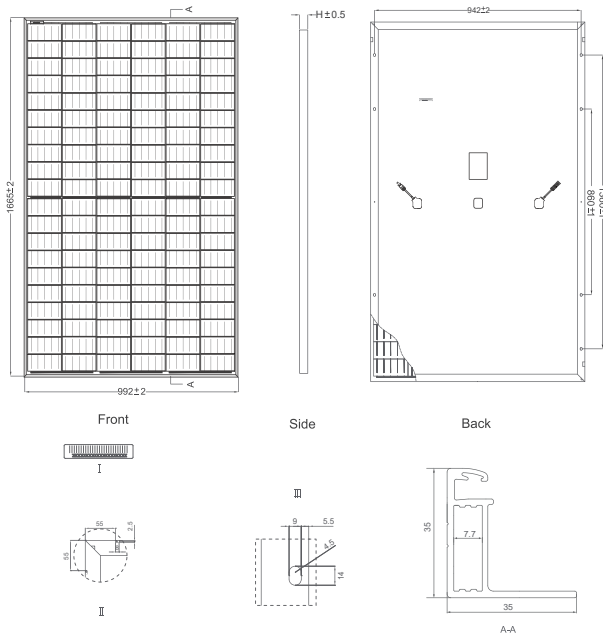
10 Year Product Warranty • 25 Year Linear Power Warranty

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

• IEC61215、IEC61730 certified products



Engineering Drawings

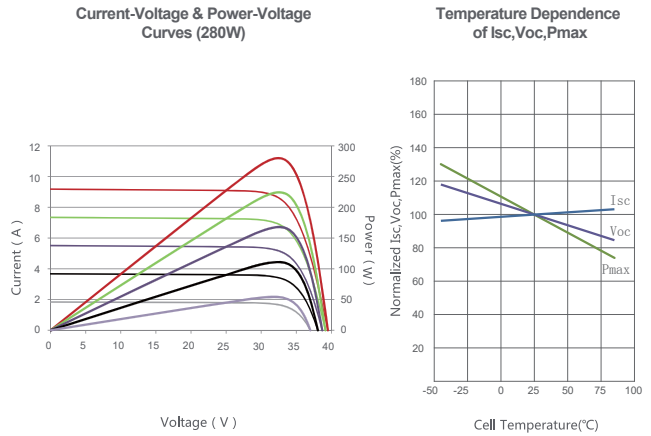


Packaging Configuration

(Two pallets =One stack)

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

Electrical Performance & Temperature Dependence



Mechanical Characteristics

| | |
|------------------|---|
| Cell Type | Poly-crystalline 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 | JKM265PP-60H-V | | JKM270PP-60H-V | | JKM275PP-60H-V | | JKM280PP-60H-V | | JKM285PP-60H-V | |
|---|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax) | 265Wp | 197Wp | 270Wp | 200Wp | 275Wp | 204Wp | 280Wp | 208Wp | 285Wp | 212Wp |
| Maximum Power Voltage (Vmp) | 31.4V | 29.0V | 31.7V | 29.4V | 32.0V | 29.8V | 32.3V | 30.1V | 32.5V | 30.4V |
| Maximum Power Current (Imp) | 8.44A | 6.78A | 8.52A | 6.80A | 8.61A | 6.85A | 8.69A | 6.91A | 8.77A | 6.97A |
| Open-circuit Voltage (Voc) | 38.6V | 35.3V | 38.8V | 35.4V | 39.1V | 35.4V | 39.4V | 35.6V | 39.6V | 35.7V |
| Short-circuit Current (Isc) | 9.03A | 7.36A | 9.09A | 7.38A | 9.15A | 7.44A | 9.20A | 7.99A | 9.26A | 8.05A |
| Module Efficiency STC (%) | 16.04% | | 16.34% | | 16.65% | | 16.95% | | 17.26% | |
| 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 | -0.38%/°C | | | | | | | | | |
| Temperature coefficients of Voc | -0.31%/°C | | | | | | | | | |
| Temperature coefficients of Isc | 0.06%/°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%