

Eagle HC 72M-V 370-390 Watt

MONO CRYSTALLINE MODULE

Positive power tolerance of 0~+3%

- Half Cell
- Mono PERC 72 Cell
- System Voltage: 1500 VDC

(Made in China)



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 19.79%) benefit from Passivated Emitter Rear Contact technology.



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.

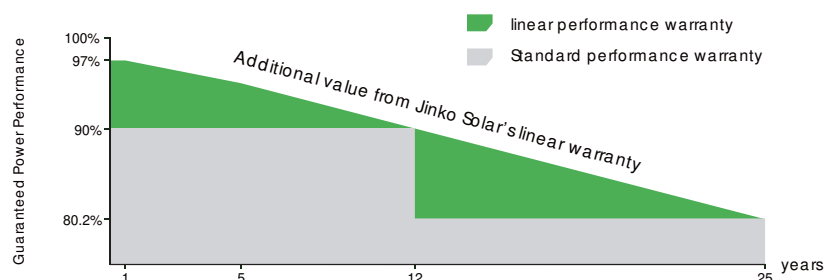


LINEAR PERFORMANCE WARRANTY

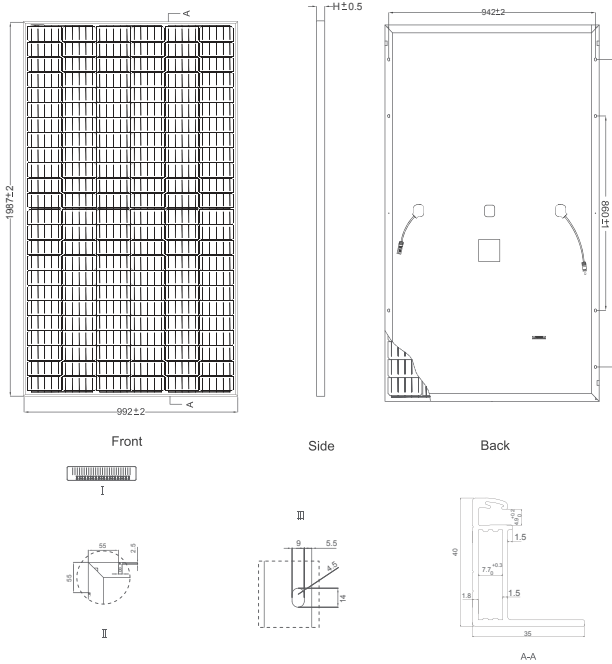
10 Year Product Warranty • 25 Year Linear Power Warranty

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

• IEC61215、IEC61730 certified products



Engineering Drawings

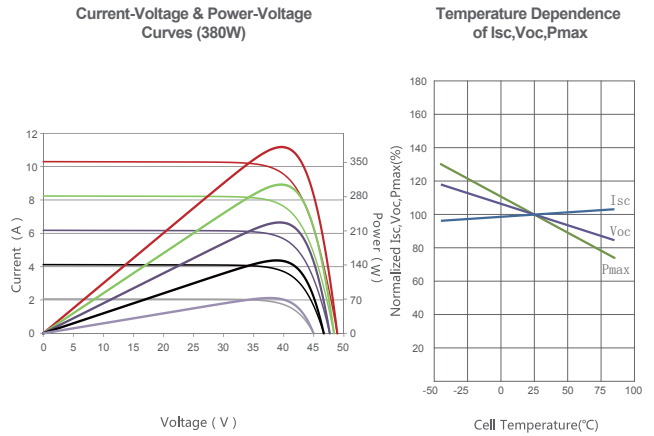


Packaging Configuration

(Two pallets = One stack)

26pcs/pallet, 52pcs/stack, 572 pcs/40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type Mono-crystalline PERC 156×156mm (6 inch)

No. of Half-cells 144 (12×12)

Dimensions 1987×992×40mm (78.23×39.05×1.57 inch)

Weight 22.5 kg (49.6 lbs)

Front Glass 3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass

Frame Anodized Aluminium Alloy

Junction Box IP67 Rated

Output Cables (+): 290mm, (-): 145mm or Customized Length

Connector JK03M; Jinko PV Material

SPECIFICATIONS

| Module Type | JKM370M-72H-V | | JKM375M-72H-V | | JKM380M-72H-V | | JKM385M-72H-V | | JKM390M-72H-V | |
|---|----------------|-------|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax) | 370Wp | 278Wp | 375Wp | 282Wp | 380Wp | 286Wp | 385Wp | 290Wp | 390Wp | 294Wp |
| Maximum Power Voltage (Vmp) | 39.9V | 38.1V | 40.2V | 38.3V | 40.5V | 38.6V | 40.8V | 38.8V | 41.1V | 39.1V |
| Maximum Power Current (Imp) | 9.28A | 7.30A | 9.33A | 7.36A | 9.39A | 7.42A | 9.44A | 7.48A | 9.49A | 7.54A |
| Open-circuit Voltage (Voc) | 48.5V | 47.0V | 48.7V | 47.2V | 48.9V | 47.5V | 49.1V | 47.7V | 49.3V | 48.0V |
| Short-circuit Current (Isc) | 10.15A | 7.75A | 10.23A | 7.82A | 10.30A | 7.88A | 10.38A | 7.95A | 10.46A | 8.02A |
| Module Efficiency STC (%) | 18.77% | | 19.02% | | 19.28% | | 19.53% | | 19.79% | |
| 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%