

# Eagle HC 72-V 325-345 Watt

POLY CRYSTALLINE MODULE

Positive power tolerance of 0~+3%



## KEY FEATURES



### Innovative Solar Cells

Five busbar poly half cell technology



### High Efficiency

Higher module conversion efficiency (up to 17.50%) due to lower resistance characteristics



### High Voltage

UL and IEC 1500V certified; lowers BOS costs and yields better LCOE



### PID-Free

World's 1st PID-Free module



### Low-Light Performance

Advanced glass technology improves light absorption and retention



### Strength and Durability

Certified for high snow (5400 Pa) and wind (2400 Pa) loads



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

Nomenclature:

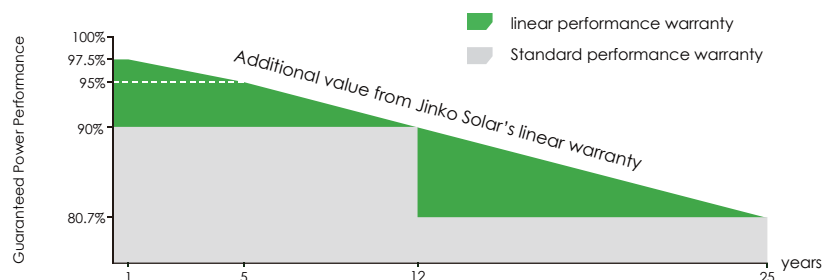
JKM345PP-72H-V

| Code | Cell |
|------|------|
| null | Full |
| H    | Half |

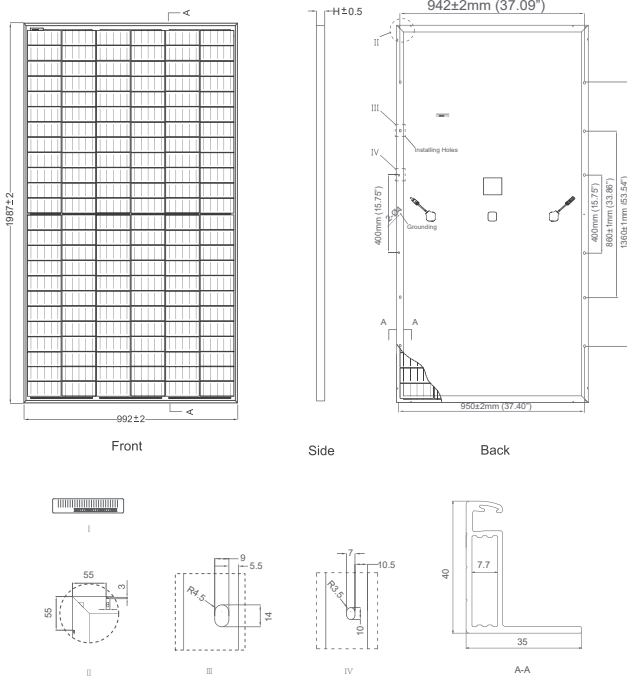


## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



## Engineering Drawings



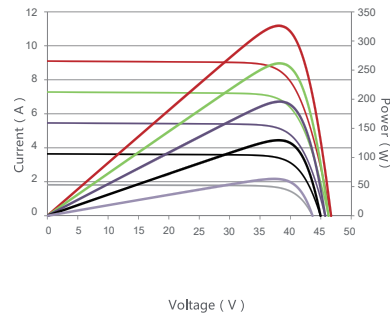
## Packaging Configuration

( Two pallets =One stack )

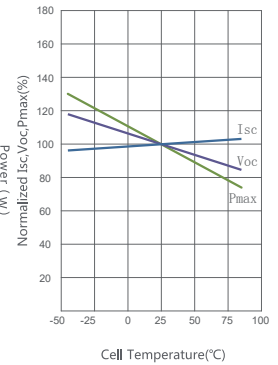
26pcs/pallet , 52pcs/stack, 572 pcs/40'HQ Container

## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (335W)



Temperature Dependence of Isc, Voc, Pmax



## Mechanical Characteristics

|                   |  |
|-------------------|--|
| Cell Type         | Poly-crystalline 156×156mm (6 inch)                |
| No. of Half-cells | 144 (12×12)  |
| Dimensions        | 1987×992×40mm (78.23×39.05×1.57 inch)              |
| Weight            | 26.5 kg (58.4 bs)                                  |
| Front Glass       | 4.0mm, High Transmission, Low Iron, Tempered Glass |
| Frame             | Anodized Aluminium Alloy                           |
| Junction Box      | IP67 Rated   |
| Output Cables     | anode 1400mm, cathode 1400mm                       |

## SPECIFICATIONS

| Module Type                               | JKM325PP-72H-V           |       | JKM330PP-72H-V |       | JKM335PP-72H-V |       | JKM340PP-72H-V |       | JKM345PP-72H-V |       |
|---|--------------------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|
|   | STC                      | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  |
| Maximum Power (Pmax)                      | 325Wp                    | 243Wp | 330Wp          | 247Wp | 335Wp          | 251Wp | 340Wp          | 255Wp | 345Wp          | 259Wp |
| Maximum Power Voltage (Vmp)               | 37.6V                    | 36.4V | 37.8V          | 36.8V | 38.0V          | 37.2V | 38.2V          | 37.6V | 38.5V          | 38.1V |
| Maximum Power Current (Imp)               | 8.64A                    | 6.67A | 8.72A          | 6.70A | 8.80A          | 6.74A | 8.88A          | 6.77A | 8.96A          | 6.81A |
| Open-circuit Voltage (Voc)                | 46.9V                    | 44.0V | 47.1V          | 44.2V | 47.3V          | 44.5V | 47.5V          | 44.8V | 47.8V          | 45.0V |
| Short-circuit Current (Isc)               | 8.97A                    | 7.26A | 9.05A          | 7.31A | 9.13A          | 7.36A | 9.21A          | 7.41A | 9.28A          | 7.46A |
| Module Efficiency STC (%)                 | 16.49%                   |       | 16.74%         |       | 17.00%         |       | 17.25%         |       | 17.50%         |       |
| Operating Temperature(°C)                 | -40°C~+85°C              |       |                |       |                |       |                |       |                |       |
| Maximum system voltage                    | 1500VDC(UL)/1500VDC(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/m<sup>2</sup> Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m<sup>2</sup> Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

\* Power measurement tolerance: ± 3%