

Eagle PERC 72M-V

350-370 Watt

MONO CRYSTALLINE MODULE

Positive power tolerance of 0~+3%

ISO9001:2008、ISO14001:2004、OHSAS18001 certified factory.
IEC61215、IEC61730 certified products.



PERC

(5BB)



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 19.07%) benefit from Passivated Emmitter Rear Contact (PERC) technology.



PID RESISTANT:

Eagle modules pass PID test, limited power degradation by PID test is guaranteed 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).

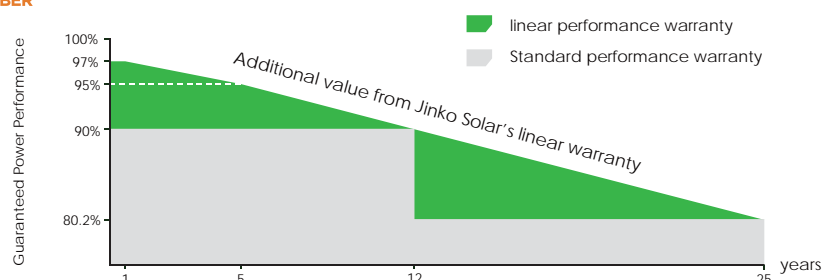


Durability against extreme environmental conditions:

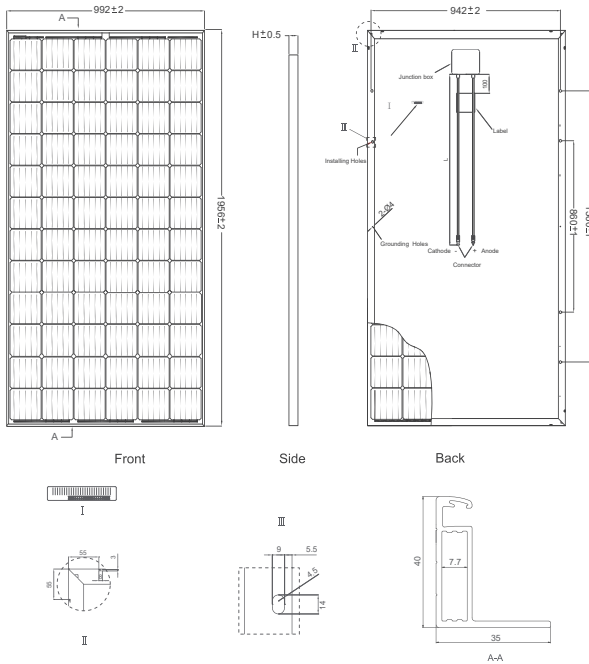
High salt mist and ammonia resistance certified by TUV NORD.

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

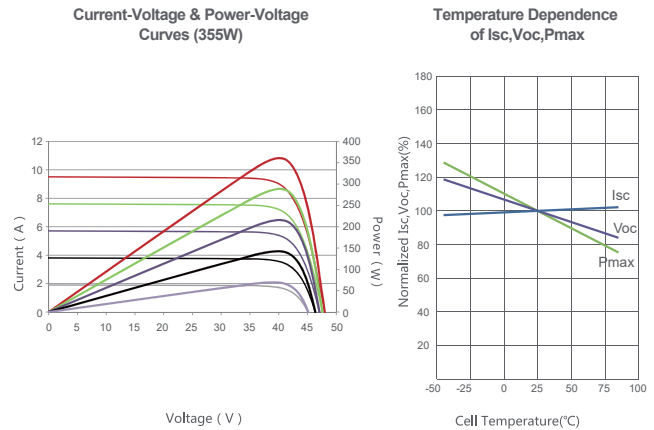


Packaging Configuration

(Two pallets =One stack)

26pcs/pallet , 52pcs/stack, 624 pcs/40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

| | |
|---------------|--|
| Cell Type | Mono-crystalline PERC 156×156mm (6 inch) |
| No.of cells | 72 (6×12) |
| Dimensions | 1956×992×40mm (77.01×39.05×1.57 inch) |
| Weight | 26.5 kg (58.4 lbs) |
| Front Glass | 4.0mm, High Transmission, Low Iron, Tempered Glass |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP67 Rated |
| Output Cables | TÜV 1×4.0mm ² ; Length:900mm or Customized Length |

SPECIFICATIONS

| Module Type | JKM350M-72-V | | JKM355M-72-V | | JKM360M-72-V | | JKM365M-72-V | | JKM370M-72-V | |
|---|---------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax) | 350Wp | 262Wp | 355Wp | 266Wp | 360Wp | 270Wp | 365Wp | 274Wp | 370Wp | 278Wp |
| Maximum Power Voltage (Vmp) | 39.1V | 37.2V | 39.3V | 37.5V | 39.5V | 37.7V | 39.7V | 37.9V | 39.9V | 38.1V |
| Maximum Power Current (Imp) | 8.94A | 7.05A | 9.04A | 7.09A | 9.12A | 7.17A | 9.20A | 7.24A | 9.28A | 7.30A |
| Open-circuit Voltage (Voc) | 47.5V | 46.0V | 47.8V | 46.2V | 48.0V | 46.5V | 48.2V | 46.8V | 48.5V | 47.0V |
| Short-circuit Current (Isc) | 9.38A | 7.46A | 9.45A | 7.54A | 9.51A | 7.61A | 9.57A | 7.68A | 9.61A | 7.75A |
| Module Efficiency STC (%) | 18.04% | | 18.30% | | 18.55% | | 18.81% | | 19.07% | |
| Operating Temperature(°C) | -40°C~+85°C | | | | | | | | | |
| Maximum system voltage | 1500VDC (IEC) | | | | | | | | | |
| Maximum series fuse rating | 20A | | | | | | | | | |
| Power tolerance | 0~+3% | | | | | | | | | |
| Temperature coefficients of Pmax | -0.39%/°C | | | | | | | | | |
| Temperature coefficients of Voc | -0.29%/°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%