

Eagle PERC 72M-V

360-380 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 cell design improves module efficiency and offers better aesthetic appearance for rooftop installation.



High Efficiency:

Higher module conversion efficiency (up to 19.58%) benefit from Passivated Emmitter Rear Contact (PERC) technology.



PID RESISTANT:

Excellent Anti-PID performance guarantee limited power degradation for mass production.



Low-light Performance:

Advanced glass and cell surface texture design ensure excellent performance in low-light environment.



Severe Weather Resilience:

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

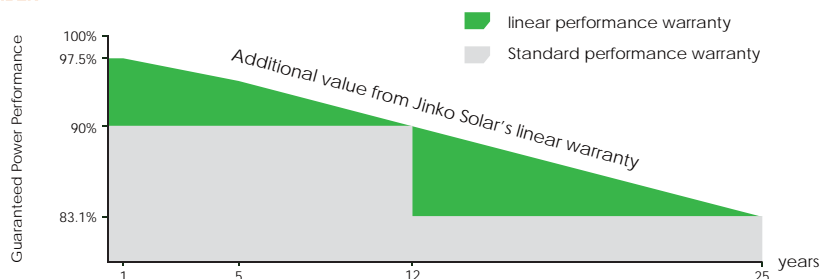


Durability against extreme environmental conditions:

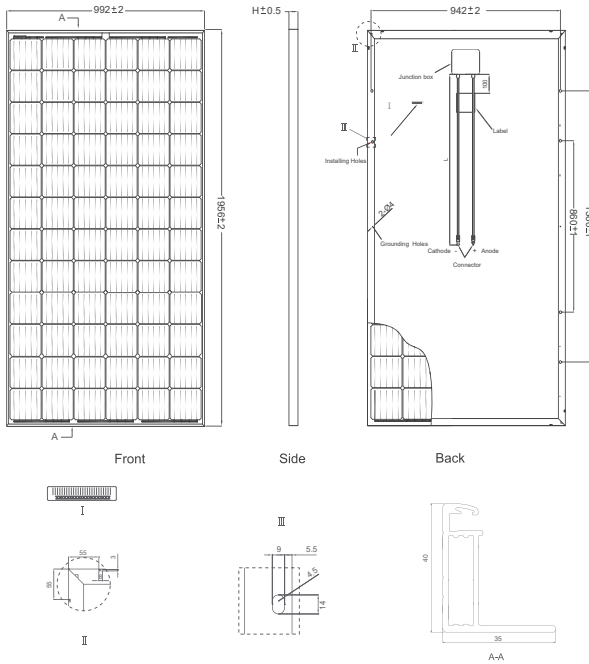
High salt mist and ammonia resistance certified by TUV NORD.

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

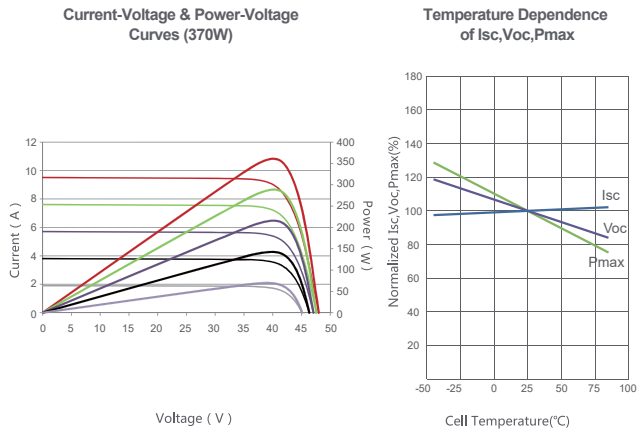


Packaging Configuration

(Two pallets = One stack)

27pcs/pallet, 54pcs/stack, 648pcs/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 | 22.5 kg (49.6 lbs) | |
| Front Glass | 3.2mm, 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 | JKM360M-72-V | | JKM365M-72-V | | JKM370M-72-V | | JKM375M-72-V | | JKM380M-72-V | |
|---|----------------------------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (P_{max}) | 360Wp | 270Wp | 365Wp | 274Wp | 370Wp | 278Wp | 375Wp | 282Wp | 380Wp | 286Wp |
| Maximum Power Voltage (V_{mp}) | 39.5V | 37.7V | 39.7V | 37.9V | 39.9V | 38.1V | 40.2V | 38.3V | 40.5V | 38.6V |
| Maximum Power Current (I_{mp}) | 9.12A | 7.17A | 9.20A | 7.24A | 9.28A | 7.30A | 9.33A | 7.36A | 9.39A | 7.42A |
| Open-circuit Voltage (V_{oc}) | 48.0V | 46.5V | 48.2V | 46.8V | 48.5V | 47.0V | 48.7V | 47.2V | 48.9V | 47.5V |
| Short-circuit Current (I_{sc}) | 9.51A | 7.61A | 9.57A | 7.68A | 9.61A | 7.75A | 9.68A | 7.82A | 9.75A | 7.88A |
| Module Efficiency STC (%) | 18.55% | | 18.81% | | 19.07% | | 19.33% | | 19.58% | |
| Operating Temperature ($^{\circ}C$) | -40 $^{\circ}C$ ~+85 $^{\circ}C$ | | | | | | | | | |
| Maximum system voltage | 1500VDC (IEC) | | | | | | | | | |
| Maximum series fuse rating | 20A | | | | | | | | | |
| Power tolerance | 0~+3% | | | | | | | | | |
| Temperature coefficients of P_{max} | -0.37%/ $^{\circ}C$ | | | | | | | | | |
| Temperature coefficients of V_{oc} | -0.28%/ $^{\circ}C$ | | | | | | | | | |
| Temperature coefficients of I_{sc} | 0.048%/ $^{\circ}C$ | | | | | | | | | |
| Nominal operating cell temperature (NOCT) | 45±2 $^{\circ}C$ | | | | | | | | | |

STC: Irradiance 1000W/m²

Cell Temperature 25 $^{\circ}C$

AM=1.5

NOCT: Irradiance 800W/m²

Ambient Temperature 20 $^{\circ}C$

AM=1.5

Wind Speed 1m/s

* Power measurement tolerance: ± 3%