

# FL 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.



## 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).

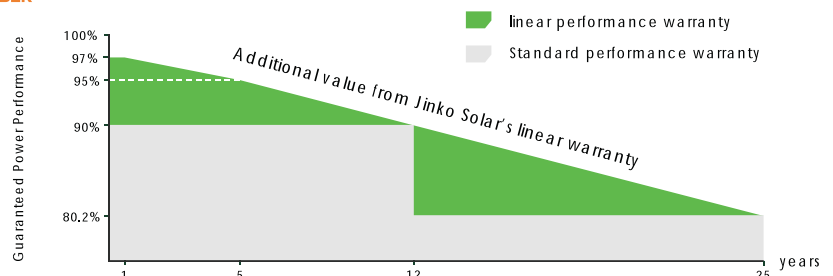


### Durability against extreme environmental conditions:

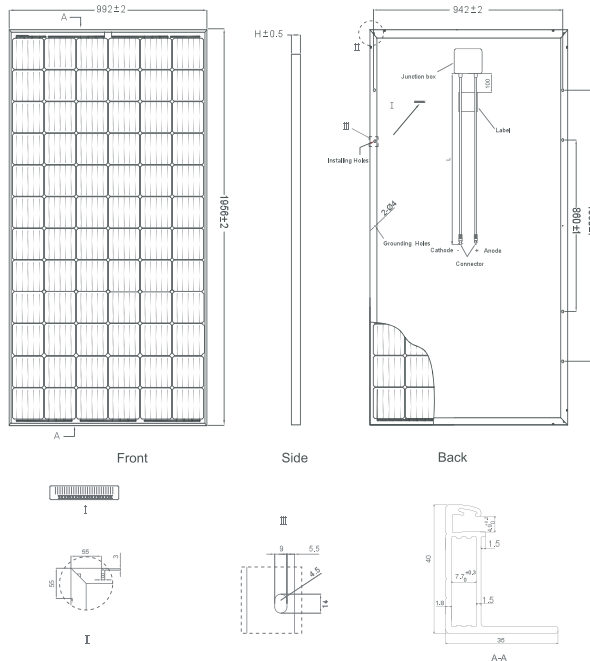
High salt mist and ammonia resistance certified by TUV NORD.

## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



## Engineering Drawings



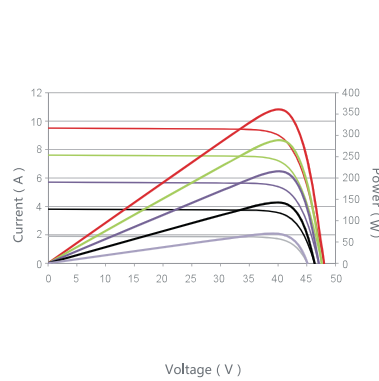
## Packaging Configuration

(Two pallets =One stack)

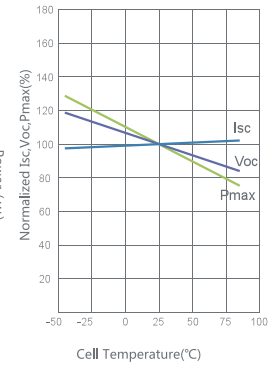
26pcs/pallet , 52pcs/stack, 624 pcs/40'HQ Container

## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (355W)



Temperature Dependence of Isc, Voc, Pmax



## 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 <sup>2</sup> , Length:900mm or Customized Length |

## SPECIFICATIONS

| Module Type                               | SMK350M-72-V |       | SMK355M-72-V |       | SMK360M-72-V  |       | SMK365M-72-V |       | SMK370M-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/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%