

# JKM330PP-72-DV-A

## 310-330 Watt

### POLY CRYSTALLINE MODULE

Positive power tolerance of 0/+3%

ISO9001:2008, ISO14001:2004, OHSAS18001 certified factory.

IEC61215-IEC61730 certified products.

(Australia & NZ Market Use Only)



(4BB)



## KEY FEATURES



### PID Free Module:

Anti-PID cell and encapsulation technology  
Frameless module requires no module grounding which may cause PID



### Higher Lifetime Power Yield:

<0.5% annual power degradation  
30 year linear power warranty



### Saving BOS Cost:

Designed for high voltage systems of up to 1500 VDC, saving BOS cost



### Improved Durability and Reliability:

Dual glass reduces micro-cracking, snail trails, corruptions caused by moisture, sand, salt mist, acid, alkali, etc. The optional Solar Super Shell Tape designed for dual glass module edge sealing helps prevent water vapor from entering the module and improve the reliability significantly.



### Less Maintenance Requirement:

Reduced soiling and snow coverage requires less maintenance and enhances fire safety



### Aesthetically Pleasing Design:

White encapsulation material maximizes module efficiency up to 16.90% (72-poly max. output 330W); Transparent EVA increases light transmission, ideal for installations requiring light to pass through



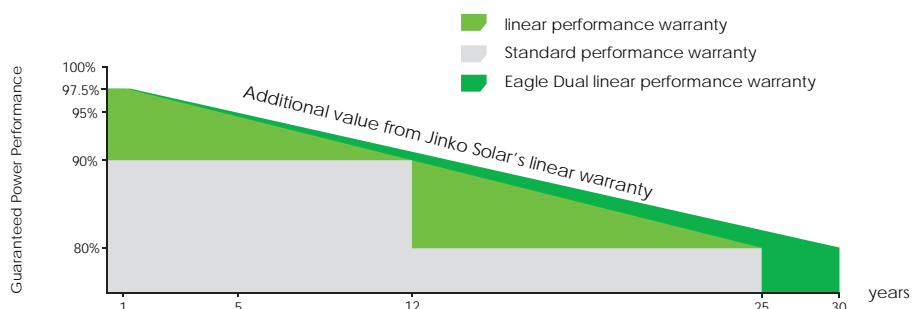
### Strengthened Mechanical Support:

5400 Pa snow load, 2400 Pa wind load

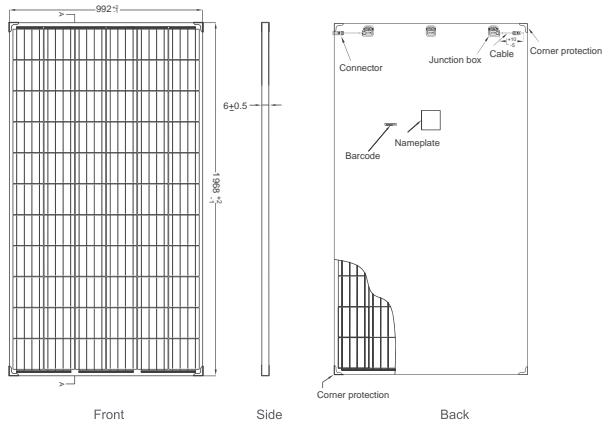


## LINEAR PERFORMANCE WARRANTY

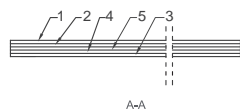
10 Year Product Warranty • 30 Year Linear Power Warranty  
0.5% Annual Degradation Over 30 years



## Engineering Drawings



I



A-A

\*If using shell tape, length and width will add 2mm respectively, thickness will add to 8mm.

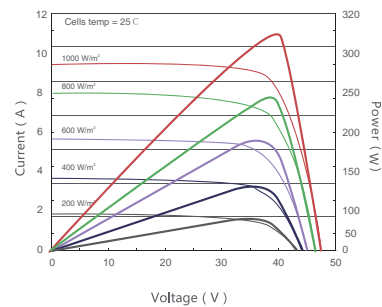
## Packaging Configuration

( Two pallets=One stack )

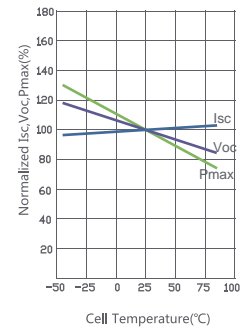
30pcs/pallet, 60pcs/stack, 660 pcs/40'HQ Container

## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (315W)



Temperature Dependence of Isc, Voc, Pmax



## Mechanical Characteristics

|               |   |
|---------------|---|
| Cell Type     | Poly-crystalline 156×156mm (6 inch)   |
| No. of cells  | 72 (6×12)   |
| Dimensions    | 1968×992×6mm(77.48×39.05×0.24 inch, 2.5mm Glass)                            |
| Weight        | 28.5kg(63 lbs, 2.5mm Glass)   |
| Front Glass   | 2.5mm High transmission, Antireflection coating, semi-tempered glass        |
| Back Glass    | 2.5mm Semi-tempered glass   |
| Junction Box  | IP67 Rated  |
| Output Cables | TUV 1×4.0mm <sup>2</sup><br>positive – 250mm, negative- 150mm or customized |

## SPECIFICATIONS

| Module Type                               | JKM310PP-DV-A |       | JKM315PP-DV-A |       | JKM320PP-DV-A |       | JKM325PP-DV-A |       | JKM330PP-DV-A |       |
|---|---------------|-------|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
|   | STC           | NOCT  | STC           | NOCT  | STC           | NOCT  | STC           | NOCT  | STC           | NOCT  |
| Maximum Power (Pmax)                      | 310Wp         | 231Wp | 315Wp         | 235Wp | 320Wp         | 238Wp | 325Wp         | 242Wp | 330Wp         | 246Wp |
| Maximum Power Voltage (Vmp)               | 37.0V         | 33.9V | 37.2V         | 34.3V | 37.4V         | 34.7V | 37.6V         | 35.0V | 37.8V         | 35.3V |
| Maximum Power Current (Imp)               | 8.38A         | 6.81A | 8.48A         | 6.84A | 8.56A         | 6.86A | 8.66A         | 6.91A | 8.74A         | 6.97A |
| Open-circuit Voltage (Voc)                | 45.9V         | 42.7V | 46.2V         | 43.2V | 46.4V         | 43.7V | 46.7V         | 44.0V | 46.9V         | 44.2V |
| Short-circuit Current (Isc)               | 8.96A         | 7.26A | 9.01A         | 7.29A | 9.05A         | 7.30A | 9.1A          | 7.34A | 9.14A         | 7.38A |
| Module Efficiency STC (%)                 | 15.88%        |       | 16.14%        |       | 16.39%        |       | 16.65%        |       | 16.90%        |       |
| Operating Temperature(°C)                 | -40°C~+85°C   |       |               |       |               |       |               |       |               |       |
| Maximum system voltage                    | 1500VDC (IEC) |       |               |       |               |       |               |       |               |       |
| Maximum series fuse rating                | 15A           |       |               |       |               |       |               |       |               |       |
| Power tolerance                           | 0~+3%         |       |               |       |               |       |               |       |               |       |
| Temperature coefficients of Pmax          | -0.40%/°C     |       |               |       |               |       |               |       |               |       |
| Temperature coefficients of Voc           | -0.30%/°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%