






# JKM310P-72

POLY CRYSTALLINE MODULE  
290-310 Watt

Jinko Solar introduces a brand-new line of high performance modules in wide application.



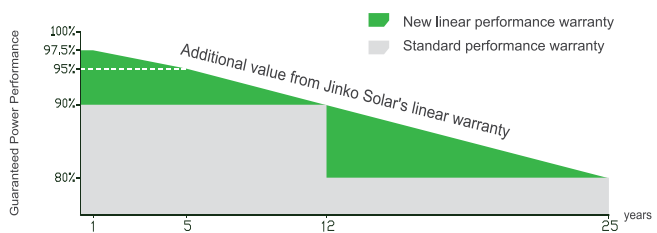
## KEY FEATURES

-  High module conversion efficiency (up to 15.98%), through superior manufacturing technology
-  Perfect module self-cleaning capability, reduce power loss caused by dust (soiling effect)
-  Excellent performance in low-light irradiance environment
-  Extreme environment durability, low power degradation under high temperature
-  Entire module certified to withstand high wind loads (2400 Pascal)

## QUALITY & SAFETY

- Positive power tolerance of -0/+3% \*
- 10 year warranty on material & workmanship \*
- Industry leading power output warranty (12 years/90%, 25 years/80%)
- Premium linear performance warranty \*

### Premium Performance Warranty



\* Based on customer requirements and contract terms

ISO9001:2008、ISO14001:2004、OHSAS18001 certified factory  
IEC61215、IEC61730、IEC61701、IEC62716 certified products

## APPLICATIONS



On-grid residential roof-tops



On-grid commercial/industrial roof-tops

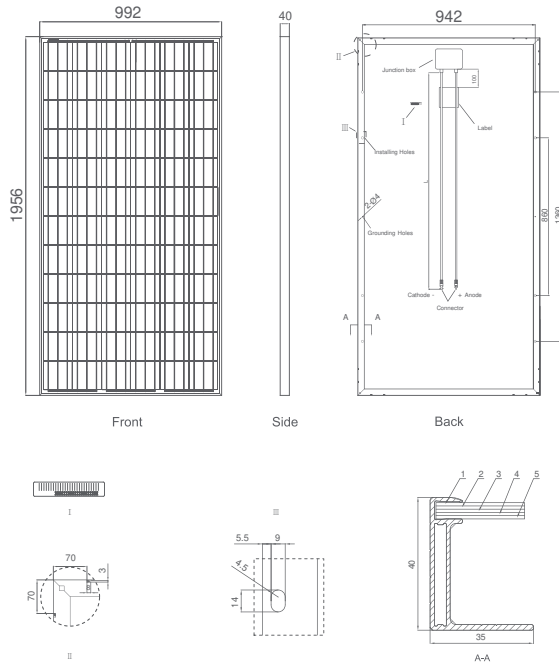


Solar power plants



Off-grid systems

## Engineering Drawings



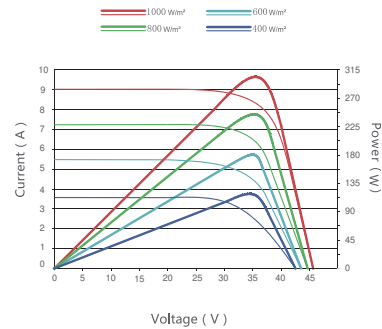
## Packaging Configuration

(Two boxes = One pallet)

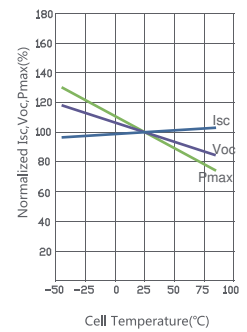
25pcs/ box, 50pcs/pallet, 550 pcs/40'HQ Container

## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (305W)



Temperature Dependence of Isc, Voc, Pmax



## Mechanical Characteristics

|               |  |
|---------------|--|
| Cell Type     | Poly-crystalline 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 <sup>2</sup> ; Length:900mm            |

## SPECIFICATIONS

| Module Type                               | JKM290P       |       | JKM295P |       | JKM300P |       | JKM305P |       | JKM310P |       |
|---|---------------|-------|---------|-------|---------|-------|---------|-------|---------|-------|
|   | STC           | NOCT  | STC     | NOCT  | STC     | NOCT  | STC     | NOCT  | STC     | NOCT  |
| Maximum Power (Pmax)                      | 290Wp         | 213Wp | 295Wp   | 217Wp | 300Wp   | 220Wp | 305Wp   | 224Wp | 310Wp   | 229Wp |
| Maximum Power Voltage (Vmp)               | 35.8V         | 33.1V | 36.2V   | 33.4V | 36.6V   | 33.5V | 36.8V   | 33.9V | 37.0V   | 34.2V |
| Maximum Power Current (Imp)               | 8.11A         | 6.44A | 8.15A   | 6.50A | 8.20A   | 6.56A | 8.30A   | 6.62A | 8.38A   | 6.68A |
| Open-circuit Voltage (Voc)                | 44.9V         | 41.7V | 45.1V   | 41.8V | 45.3V   | 42.1V | 45.6V   | 42.3V | 45.9V   | 42.5V |
| Short-circuit Current (Isc)               | 8.69A         | 7.03A | 8.76A   | 7.09A | 8.84A   | 7.16A | 8.91A   | 7.21A | 8.96A   | 7.26A |
| Module Efficiency STC (%)                 | 14.95%        |       | 15.20%  |       | 15.46%  |       | 15.72%  |       | 15.98%  |       |
| Operating Temperature(°C)                 | -40°C~+85°C   |       |         |       |         |       |         |       |         |       |
| Maximum system voltage                    | 1000VDC (IEC) |       |         |       |         |       |         |       |         |       |
| Maximum series fuse rating                | 15A           |       |         |       |         |       |         |       |         |       |
| Power tolerance                           | 0~+3%         |       |         |       |         |       |         |       |         |       |
| Temperature coefficients of Pmax          | -0.43%/°C     |       |         |       |         |       |         |       |         |       |
| Temperature coefficients of Voc           | -0.32%/°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%