

# Eagle 60

## 260-280 Watt

### POLYCRYSTALLINE MODULE

Positive power tolerance of 0~+3%

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

IEC61215、IEC61730 certified products.



(4BB)



## KEY FEATURES



### 4 Busbar Solar Cell:

4 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



### High Power Output:

Polycrystalline 60-cell module achieves a power output up to 280Wp.



### PID RESISTANT:

Limited power degradation of Eagle module caused by PID effect is guaranteed under strict testing condition (85°C/85%RH,96hours) for mass production.



### Low-light Performance:

Advanced glass and 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.

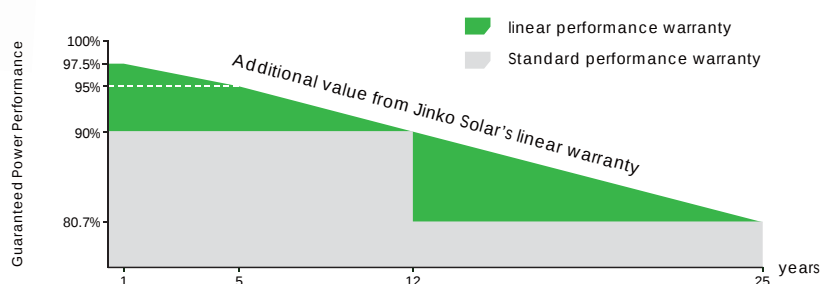


### Temperature Coefficient:

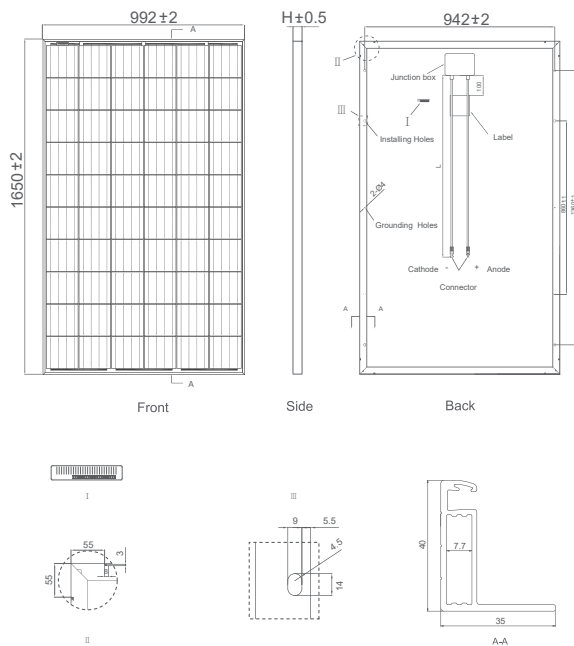
Improved temperature coefficient decreases power loss during high temperatures.

## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



## Engineering Drawings

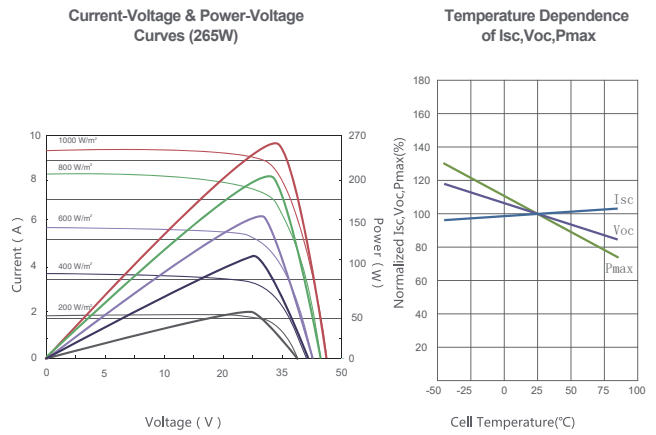


## Packaging Configuration

(Two boxes=One pallet)

26pcs/box, 52pcs/pallet, 728 pcs/40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

|               |                                                                             |
|---------------|-----------------------------------------------------------------------------|
| Cell Type     | Poly-crystalline 156×156mm (6 inch)                                         |
| No. of cells  | 60 (6×10)                                                                   |
| Dimensions    | 1650×992×40mm (65.00×39.05×1.57 inch)                                       |
| Weight        | 19.0 kg (41.9 lbs)                                                          |
| Front Glass   | 3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass |
| Frame         | Anodized Aluminium Alloy                                                    |
| Junction Box  | IP67 Rated                                                                  |
| Output Cables | TÜV 1×4.0mm <sup>2</sup> , Length: 1200mm, Connector: MC4 Original          |

## SPECIFICATIONS

| Module Type                               | JKM260PP-60   |       | JKM265PP-60 |       | JKM270PP-60 |       | JKM275PP-60 |       | JKM280PP-60 |       |
|-------------------------------------------|---------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|
|                                           | STC           | NOCT  | STC         | NOCT  | STC         | NOCT  | STC         | NOCT  | STC         | NOCT  |
| Maximum Power (Pmax)                      | 260Wp         | 194Wp | 265Wp       | 198Wp | 270Wp       | 202Wp | 275Wp       | 205Wp | 280Wp       | 209Wp |
| Maximum Power Voltage (Vmp)               | 31.1V         | 28.3V | 31.4V       | 28.7V | 31.7V       | 29.0V | 32.0V       | 29.3V | 32.3V       | 29.6V |
| Maximum Power Current (Imp)               | 8.37A         | 6.84A | 8.44A       | 6.91A | 8.52A       | 6.97A | 8.61A       | 7.00A | 8.69A       | 7.06A |
| Open-circuit Voltage (Voc)                | 38.1V         | 35.1V | 38.6V       | 35.3V | 38.8V       | 35.6V | 39.1V       | 35.9V | 39.4V       | 36.1V |
| Short-circuit Current (Isc)               | 8.98A         | 7.26A | 9.03A       | 7.31A | 9.09A       | 7.35A | 9.15A       | 7.37A | 9.20A       | 7.42A |
| Module Efficiency STC (%)                 | 15.89%        |       | 16.19%      |       | 16.50%      |       | 16.80%      |       | 17.11%      |       |
| 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          | -0.40%/°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%