

# Eagle Black 60 265-280 Watt

POLYCRYSTALLINE MODULE

Positive power tolerance of 0~+3%

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

IEC61215, IEC61730 certified products.



(5BB)



## KEY FEATURES



### 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.



### High Power Output:

With up to 280 Wp and 17.11 % efficiency, highest performing module of its kind on the market.



### Low-light Performance:

Excellent performance in low-light environments.



### Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.

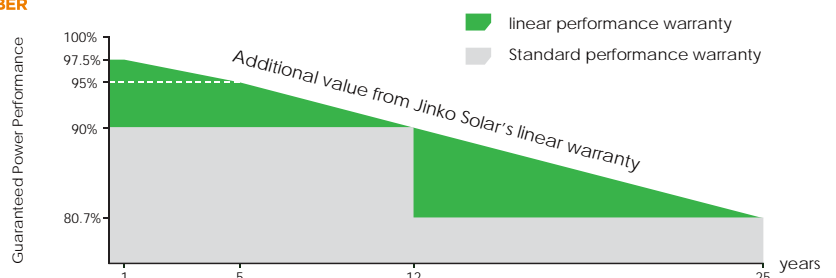


### 5 Busbar Solar Cell:

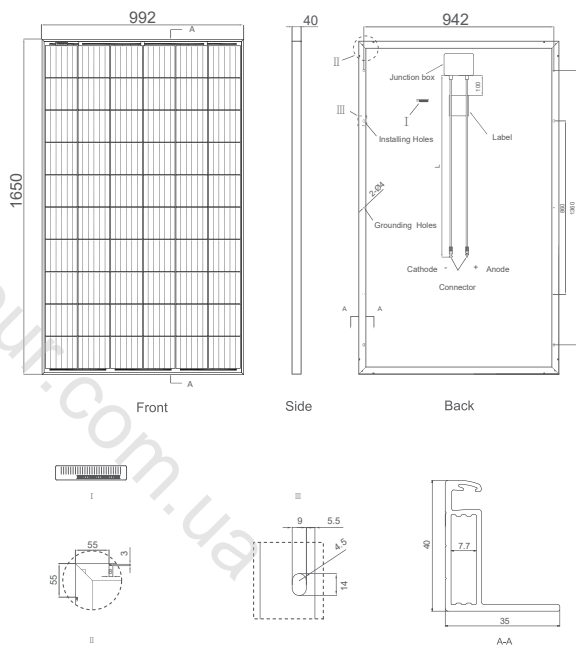
No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



## Engineering Drawings



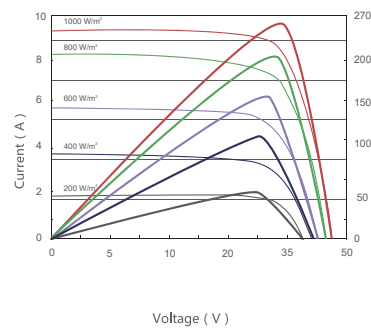
## Packaging Configuration

(Two boxes=One pallet)

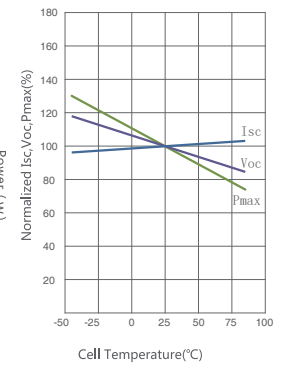
26pcs/pallet, 52pcs/stack, 728 pcs/40'HQ Container

## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (265W)



Temperature Dependence of Isc, Voc, Pmax



## 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        | 18.5 kg (40.8 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: 900mm or Customized Length               |

## SPECIFICATIONS

| Module Type                               | JKM265PP-60-J4 |       | JKM270PP-60-J4 |       | JKM275PP-60-J4 |       | JKM280PP-60-J4 |       |
|---|----------------|-------|----------------|-------|----------------|-------|----------------|-------|
|   | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  |
| Maximum Power (Pmax)                      | 265Wp          | 198Wp | 270Wp          | 202Wp | 275Wp          | 205Wp | 280Wp          | 209Wp |
| Maximum Power Voltage (Vmp)               | 31.4V          | 28.7V | 31.7V          | 29.0V | 32.0V          | 29.3V | 32.3V          | 29.6V |
| Maximum Power Current (Imp)               | 8.44A          | 6.91A | 8.52A          | 6.97A | 8.61A          | 7.00A | 8.69A          | 7.06A |
| Open-circuit Voltage (Voc)                | 38.6V          | 35.3V | 38.8V          | 35.6V | 39.1V          | 35.9V | 39.4V          | 36.1V |
| Short-circuit Current (Isc)               | 9.03A          | 7.31A | 9.09A          | 7.35A | 9.15A          | 7.37A | 9.20A          | 7.42A |
| Module Efficiency STC (%)                 | 16.19%         |       | 16.50%         |       | 16.80%         |       | 17.11%         |       |
| Operating Temperature(°C)                 | -40°C~+85°C    |       |                |       |                |       |                |       |
| Maximum system voltage                    | 1000VDC (IEC)  |       |                |       |                |       |                |       |
| Maximum series fuse rating                | 20A            |       |                |       |                |       |                |       |
| Power tolerance                           | 0~+3%          |       |                |       |                |       |                |       |
| Temperature coefficients of Pmax          | -0.40%/°C      |       |                |       |                |       |                |       |
| Temperature coefficients of Voc           | -0.31%/°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%