

# Eagle MX 60 255-275 Watt

POLYCRYSTALLINE MODULE  
Power Optimized

Positive power tolerance of 0/+3%



## KEY FEATURES



### Shade Tolerance

MPPT on individual cell-strings optimizes energy harvest



### Built-in Cell Optimizer

No additional electronics or hardware required; allows for simple installation



### Innovative Solar Cells

Four busbar polycrystalline cell technology improves module efficiency



### PID Free

World's 1<sup>st</sup> PID-Free module



### Low-Light Performance

Advanced glass technology improves light absorption and retention



### Strength and Durability

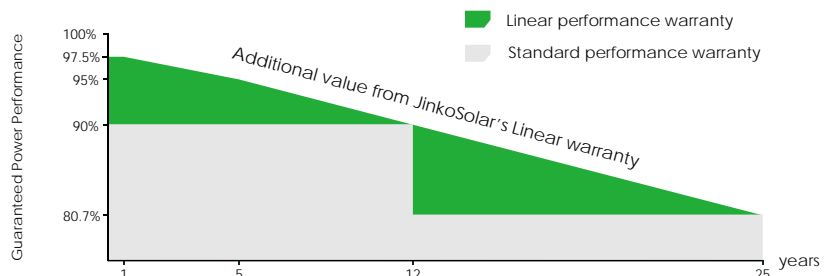
Certified for high snow (5400Pa) and wind (2400Pa) loads

## LINEAR PERFORMANCE WARRANTY

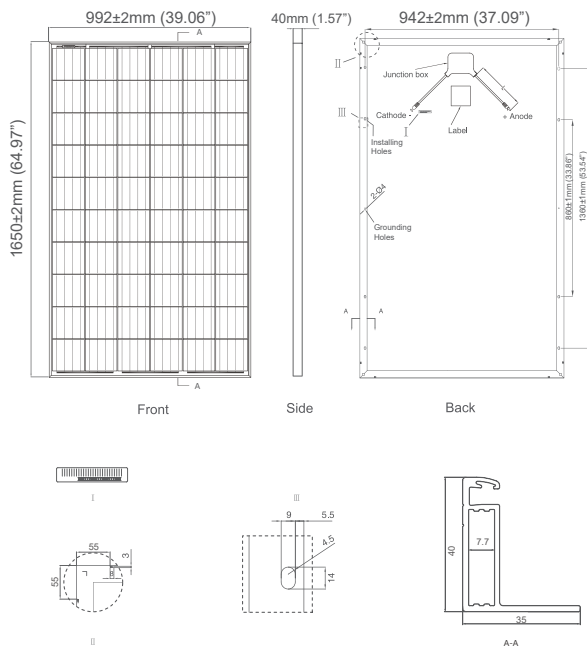
10 Year Product Warranty • 25 Year Linear Power Warranty

- ISO9001:2008 Quality Standards
- ISO14001:2004 Environmental Standards
- OHSAS18001 Occupational Health & Safety Standards

Nomenclature:  
JKMS275PP - 60



## Engineering Drawings

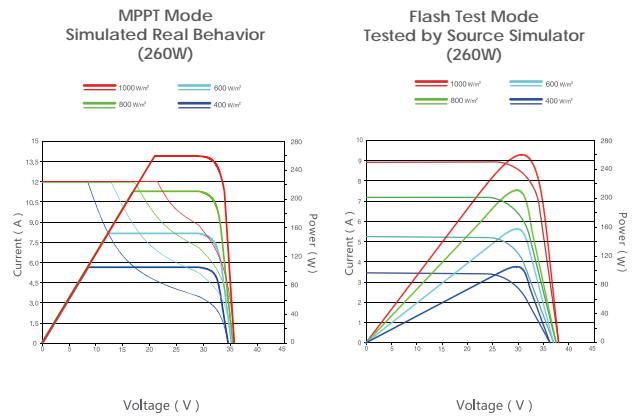


## Packaging Configuration

(Two boxes=One Pallet)

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

## Electrical Performance



## Mechanical Characteristics

|               |   |
|---------------|---|
| Cell Type     | Polycrystalline 156×156mm (6 inch)  |
| No. of Cells  | 60 (6×10)   |
| Dimensions    | 1650×992×40mm (64.97×39.06×1.57 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  | IP65 Rated  |
| Output Cables | 12 AWG, Length: 900mm (35.43 inch)  |
| Fire Type     | Type 1  |

## SPECIFICATIONS

| Module Type                               | JKMS255PP-60         |       | JKMS260PP-60 |       | JKMS265PP-60 |       | JKMS270PP-60 |       | JKMS275PP-60 |       |
|---|----------------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|
|   | STC                  | NOCT  | STC          | NOCT  | STC          | NOCT  | STC          | NOCT  | STC          | NOCT  |
| Maximum Power (Pmax)                      | 255Wp                | 190Wp | 260Wp        | 194Wp | 265Wp        | 198Wp | 270Wp        | 202Wp | 275Wp        | 205Wp |
| Maximum Power Voltage (Vmp)               | 29.3V                | 26.7V | 29.5V        | 26.9V | 29.8V        | 27.3V | 30.1V        | 27.5V | 30.5V        | 27.8V |
| Maximum Power Current (Imp)               | 8.72A                | 7.11A | 8.81A        | 7.20A | 8.88A        | 7.27A | 8.97A        | 7.34A | 9.06A        | 7.37A |
| Open-circuit Voltage (Voc)                | 36.1V                | 33.2V | 36.2V        | 33.3V | 36.7V        | 33.5V | 36.9V        | 33.8V | 37.2V        | 34.1V |
| Short-circuit Current (Isc)               | 9.39A                | 7.60A | 9.45A        | 7.64A | 9.51A        | 7.69A | 9.57A        | 7.74A | 9.58A        | 7.76A |
| Module Efficiency STC (%)                 | 15.58%               |       | 15.89%       |       | 16.19%       |       | 16.50%       |       | 16.80%       |       |
| Maximum Output Current (Imax)             | 12A                  |       |              |       |              |       |              |       |              |       |
| Operating Temperature (°C)                | -40°C~+85°C          |       |              |       |              |       |              |       |              |       |
| Maximum System Voltage                    | 1000VDC (UL and IEC) |       |              |       |              |       |              |       |              |       |
| 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/m² 📏 Cell Temperature 25°C ☁ AM=1.5

NOCT: ☀ Irradiance 800W/m² 📏 Ambient Temperature 20°C ☁ AM=1.5 🌀 Wind Speed 1m/s

\* Power measurement tolerance: ± 3%

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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