

# Cheetah 60M 315-335 Watt

MONO PERC MODULE

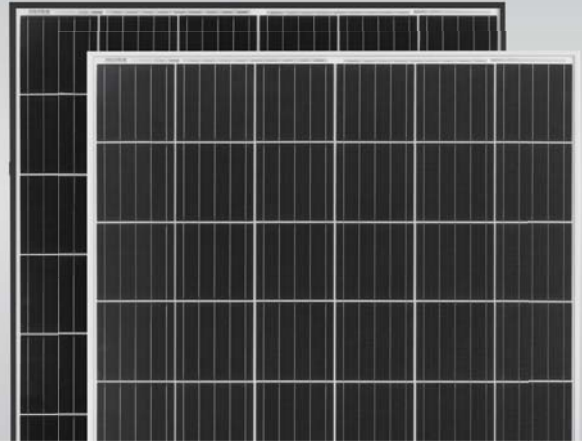
Positive power tolerance of 0~+3%

ISO9001:2008, ISO14001:2004, OHSAS18001 certified factory

IEC61215, IEC61730, UL1703 certified product



PERC



## KEY FEATURES



### 5 Busbar Solar Cell

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



### High Efficiency

Higher module conversion efficiency (up to 20.08%) benefit from Passivated Emmitter Rear Contact (PERC) technology.



### PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for mass production.



### Low-light Performance

Advanced glass and cell surface textured design ensure excellent performance in low-light environment.



### Severe Weather Resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

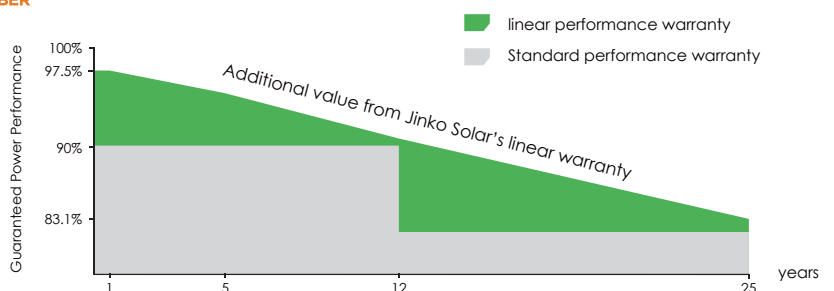


### Durability Against Extreme Environmental Conditions

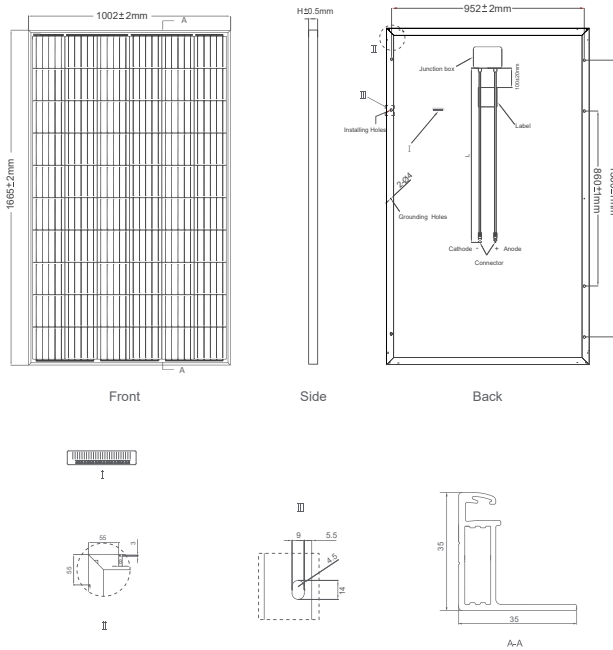
High salt mist and ammonia resistance certified by TUV NORD.

## LINEAR PERFORMANCE WARRANTY

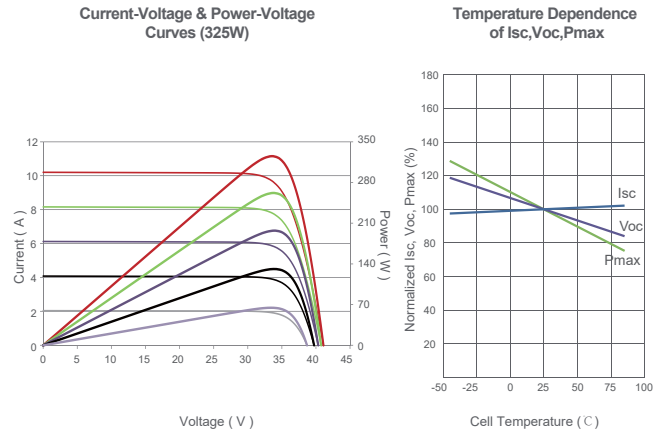
12 Year Product Warranty • 25 Year Linear Power Warranty



## Engineering Drawings



## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

|               |                                                                             |
|---------------|-----------------------------------------------------------------------------|
| Cell Type     | Mono PERC 158.75×158.75mm                                                   |
| No. of cells  | 60 (6×10)                                                                   |
| Dimensions    | 1665×1002×35mm (65.55×39.45×1.38 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 900mm or Customized Length                |
| Connectors    | Genuine MC4. JK03M available as an option.                                  |

## Packaging Configuration

(Two pallets = One stack)

31pcs/pallet, 62pcs/stack, 868pcs/40'HQ Container

## SPECIFICATIONS

| Module Type                               | JKM315M-60    |       | JKM320M-60 |       | JKM325M-60 |       | JKM330M-60 |       | JKM335M-60 |       |
|-------------------------------------------|---------------|-------|------------|-------|------------|-------|------------|-------|------------|-------|
|                                           | STC           | NOCT  | STC        | NOCT  | STC        | NOCT  | STC        | NOCT  | STC        | NOCT  |
| Maximum Power (Pmax)                      | 315Wp         | 235Wp | 320Wp      | 239Wp | 325Wp      | 242Wp | 330Wp      | 246Wp | 335Wp      | 250Wp |
| Maximum Power Voltage (Vmp)               | 33.2V         | 31.2V | 33.4V      | 31.4V | 33.6V      | 31.6V | 33.8V      | 31.8V | 34.0V      | 32.0V |
| Maximum Power Current (Imp)               | 9.49A         | 7.56A | 9.59A      | 7.62A | 9.68A      | 7.66A | 9.77A      | 7.74A | 9.87A      | 7.82A |
| Open-circuit Voltage (Voc)                | 40.7V         | 37.6V | 40.9V      | 37.8V | 41.1V      | 38.0V | 41.3V      | 38.2V | 41.5V      | 38.4V |
| Short-circuit Current (Isc)               | 10.04A        | 8.33A | 10.15A     | 8.44A | 10.20A     | 8.54A | 10.31A     | 8.65A | 10.36A     | 8.74A |
| Module Efficiency STC (%)                 | 18.88%        |       | 19.18%     |       | 19.48%     |       | 19.78%     |       | 20.08%     |       |
| 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          | -0.37%/°C     |       |            |       |            |       |            |       |            |       |
| Temperature Coefficients of Voc           | -0.28%/°C     |       |            |       |            |       |            |       |            |       |
| Temperature Coefficients of Isc           | 0.048%/°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%

The company reserves the final right for explanation on any of the information presented hereby. JKM315-335M-60-A2-EN

Made in China. Production from Vietnam and Malaysia available as an option.