

# Cheetah 60MB 300-320 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 19.18%) 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).

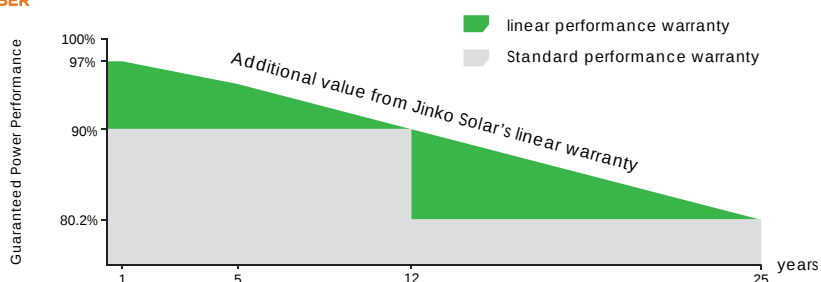


### Durability Against Extreme Environmental Conditions

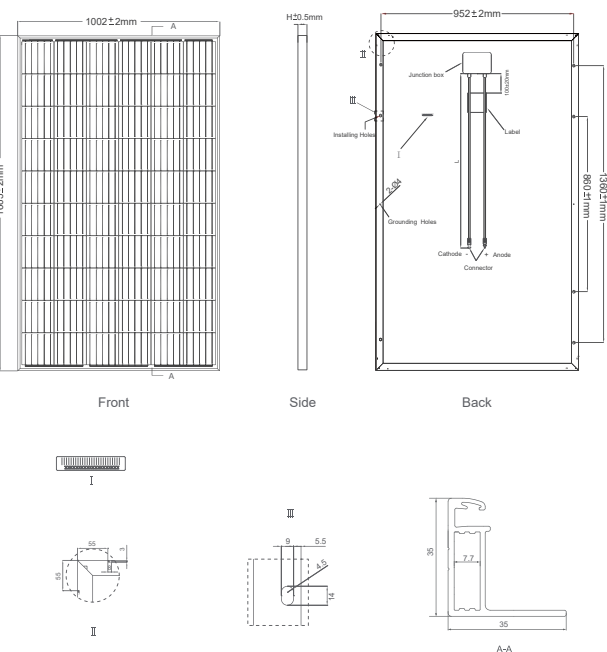
High salt mist and ammonia resistance certified by TUV NORD.

## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



## Engineering Drawings

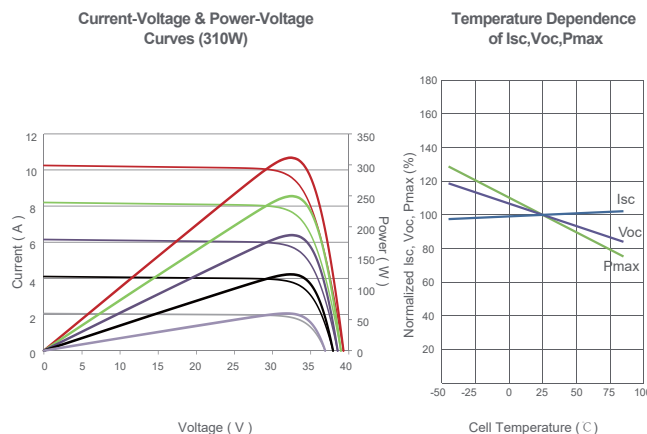


## Packaging Configuration

( Two pallets = One stack )

30pcs/pallet , 60pcs/stack, 840pcs/40'HQ Container

## 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,<br>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                               | JKM300M-60B |       | JKM305M-60B |       | JKM310M-60B   |       | JKM315M-60B |       | JKM320M-60B |       |
|-------------------------------------------|-------------|-------|-------------|-------|---------------|-------|-------------|-------|-------------|-------|
|                                           | STC         | NOCT  | STC         | NOCT  | STC           | NOCT  | STC         | NOCT  | STC         | NOCT  |
| Maximum Power (Pmax)                      | 300Wp       | 224Wp | 305Wp       | 227Wp | 310Wp         | 231Wp | 315Wp       | 235Wp | 320Wp       | 239Wp |
| Maximum Power Voltage (Vmp)               | 32.6V       | 30.6V | 32.8V       | 30.8V | 33.0V         | 31.0V | 33.2V       | 31.2V | 33.4V       | 31.4V |
| Maximum Power Current (Imp)               | 9.21A       | 7.32A | 9.30A       | 7.40A | 9.40A         | 7.49A | 9.49A       | 7.56A | 9.59A       | 7.62A |
| Open-circuit Voltage (Voc)                | 40.1V       | 37.0V | 40.3V       | 37.2V | 40.5V         | 37.4V | 40.7V       | 37.6V | 40.9V       | 37.8V |
| Short-circuit Current (Isc)               | 9.72A       | 8.01A | 9.83A       | 8.12A | 9.92A         | 8.20A | 10.04A      | 8.33A | 10.15A      | 8.44A |
| Module Efficiency STC (%)                 | 17.98%      |       | 18.28%      |       | 18.58%        |       | 18.88%      |       | 19.18%      |       |
| 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:  $\pm 3\%$

The company reserves the final right for explanation on any of the information presented hereby. JKM300-320M-60B-A1-EN