

# Cheetah HC 60M

## 325-345 Watt

MONO PERC HALF CELL MODULE

Positive power tolerance of 0~+3%

- Half Cell
- Mono PERC 60 Cell



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 20.45%) benefit from half cell structure (low resistance characteristic).



### 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.

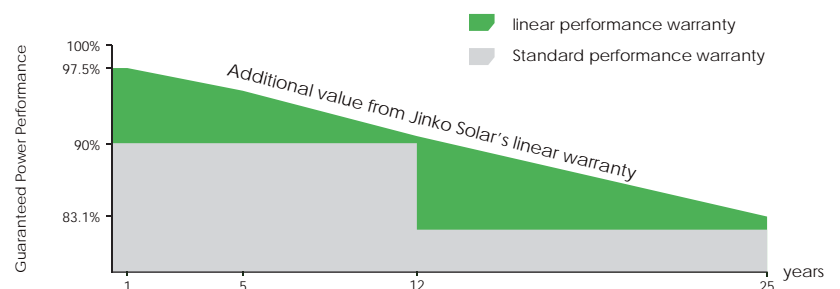


## LINEAR PERFORMANCE WARRANTY

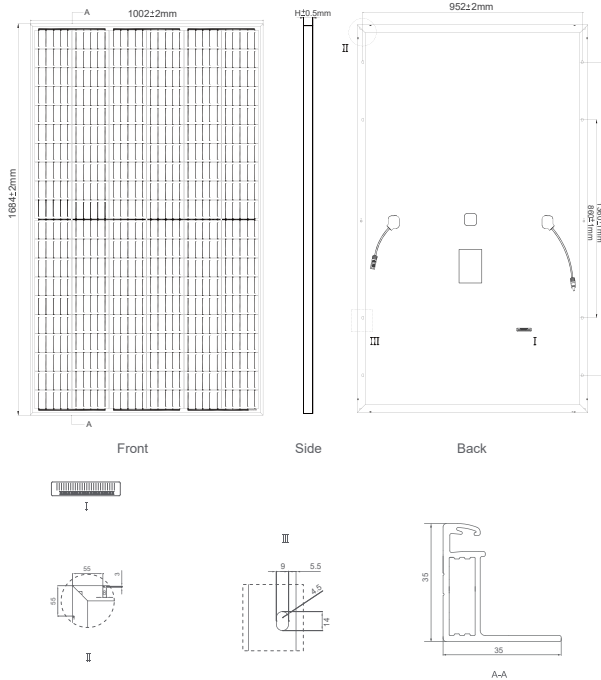
12 Year Product Warranty • 25 Year Linear Power Warranty



- ISO9001:2008, ISO14001:2004, OHSAS18001 certified factory
- IEC61215, IEC61730, UL1703 certified product



## Engineering Drawings



## Packaging Configuration

( Two pallets = One stack )

30pcs/pallet, 60pcs/stack, 780pcs/40'HQ Container

( Two pallets = One stack )

31pcs/pallet, 62pcs/stack, 806pcs/40'HQ Container

## SPECIFICATIONS

| Module Type                               | JKM325M-60H   |       | JKM330M-60H |       | JKM335M-60H |       | JKM340M-60H |       | JKM345M-60H |       |
|---|---------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|
|   | STC           | NOCT  | STC         | NOCT  | STC         | NOCT  | STC         | NOCT  | STC         | NOCT  |
| Maximum Power (Pmax)                      | 325Wp         | 242Wp | 330Wp       | 246Wp | 335Wp       | 250Wp | 340Wp       | 253Wp | 345Wp       | 257Wp |
| Maximum Power Voltage (Vmp)               | 33.6V         | 31.6V | 33.8V       | 31.8V | 34.0V       | 32.0V | 34.2V       | 32.2V | 34.4V       | 32.4V |
| Maximum Power Current (Imp)               | 9.68A         | 7.66A | 9.77A       | 7.74A | 9.87A       | 7.82A | 9.96A       | 7.86A | 10.04A      | 7.94A |
| Open-circuit Voltage (Voc)                | 41.1V         | 38.0V | 41.3V       | 38.2V | 41.5V       | 38.4V | 41.7V       | 38.6V | 41.9V       | 38.8V |
| Short-circuit Current (Isc)               | 10.20A        | 8.54A | 10.31A      | 8.65A | 10.36A      | 8.74A | 10.55A      | 8.86A | 10.64A      | 8.97A |
| Module Efficiency STC (%)                 | 19.26%        |       | 19.56%      |       | 19.85%      |       | 20.15%      |       | 20.45%      |       |
| 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          | -0.36%/°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

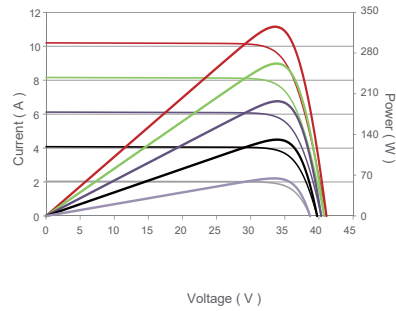
AM=1.5

Wind Speed 1m/s

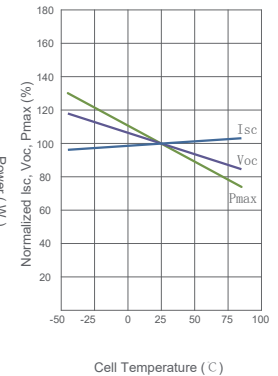
\* Power measurement tolerance: ± 3%

## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (325W)



Temperature Dependence of Isc, Voc, Pmax



## Mechanical Characteristics

|                   |   |
|-------------------|---|
| Cell Type         | Mono PERC 158.75×158.75mm   |
| No. of Half-cells | 120 (6×20)  |
| Dimensions        | 1684×1002×35mm (66.30×39.45×1.38 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 1x4.0mm <sup>2</sup> , (+) 290mm, (-) 145mm or Customized Length        |