

# 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).



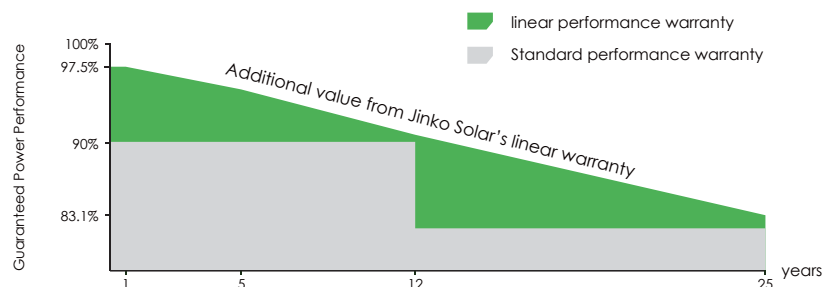
### Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance certified by TUV NORD.



## LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 25 Year Linear Power Warranty



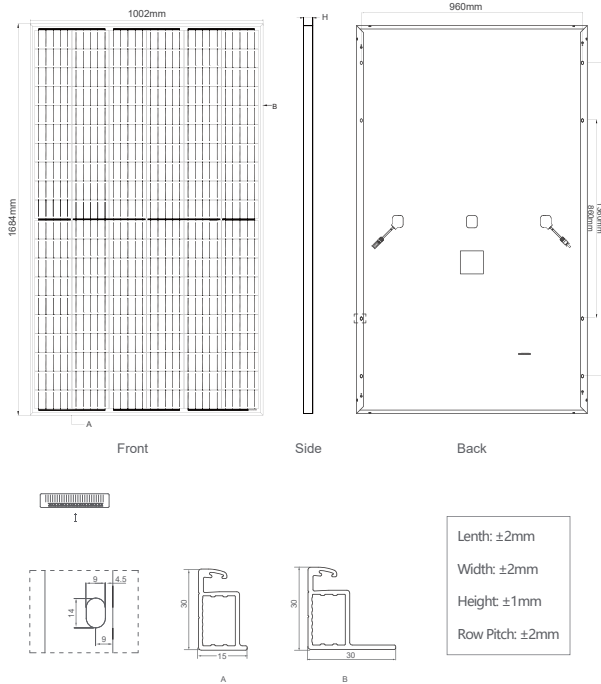
- ISO9001:2015, ISO14001:2015, ISO45001:2018 certified factory
- IEC61215, IEC61730, UL1703 certified product

Nomenclature:

JKMxxxM-60/72H-V

Code	Cell	Code	Certification
null	Full	null	1000V
H	Half	V	1500V

## Engineering Drawings

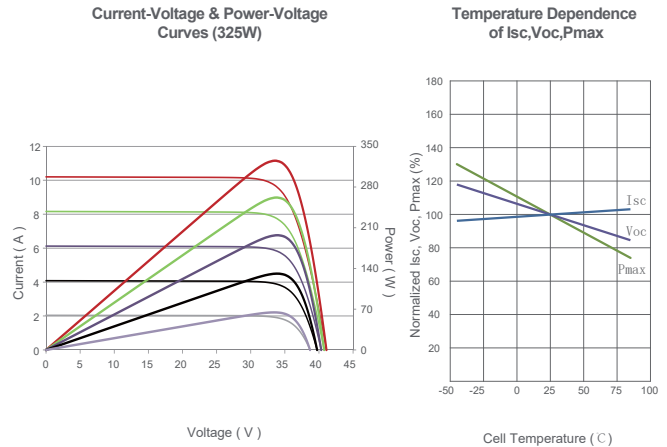


## Packaging Configuration

( Two pallets = One stack )

35pcs/pallet, 70pcs/stack, 910pcs/40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	Mono PERC 158.75×158.75mm
No. of Half-cells	120 (6×20)
Dimensions	1684×1002×30mm (66.30×39.45×1.18 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 1x4.0mm <sup>2</sup> , (+) 290mm, (-) 145mm or Customized Length

## SPECIFICATIONS

Module Type	JKM325M-60H		JKM330M-60H		JKM335M-60H		JKM340M-60H		JKM345M-60H	
	JKM325M-60H-V	JKM325M-60H-V	JKM330M-60H-V	JKM330M-60H-V	JKM335M-60H-V	JKM335M-60H-V	JKM340M-60H-V	JKM340M-60H-V	JKM345M-60H-V	JKM345M-60H-V
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power ( $P_{max}$ )	325Wp	239Wp	330Wp	243Wp	335Wp	247Wp	340Wp	250Wp	345Wp	254Wp
Maximum Power Voltage ( $V_{mp}$ )	33.37V	30.6V	33.54V	30.7V	33.74V	30.9V	33.93V	31.5V	34.12V	31.23V
Maximum Power Current ( $I_{mp}$ )	9.74A	7.82A	9.84A	7.9A	9.93A	7.98A	10.02A	8.06A	10.11A	8.13A
Open-circuit Voltage ( $V_{oc}$ )	40.4V	38.1V	40.6V	38.2V	40.8V	38.4V	41.00V	38.62V	41.2V	38.8V
Short-circuit Current ( $I_{sc}$ )	10.50A	8.48A	10.61A	8.57A	10.73A	8.67A	10.82A	8.74A	10.91A	8.81A
Module Efficiency STC (%)	19.26%		19.56%		19.85%		20.15%		20.45%	
Operating Temperature (°C)	-40°C~+85°C									
Maximum System Voltage	1000/1500VDC (IEC)									
Maximum Series Fuse Rating	20A									
Power Tolerance	0~+3%									
Temperature Coefficients of $P_{max}$	-0.35%/°C									
Temperature Coefficients of $V_{oc}$	-0.29%/°C									
Temperature Coefficients of $I_{sc}$	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:  $\pm 3\%$