

# Cheetah HC 72M 380-400 Watt

MONO PERC HALF CELL MODULE

Positive power tolerance of 0~+3%

- Half Cell
- Mono PERC 72 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 19.88%) benefit from half cell structure (low resistance characteristic).



### PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for most 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 TÜV NORD.

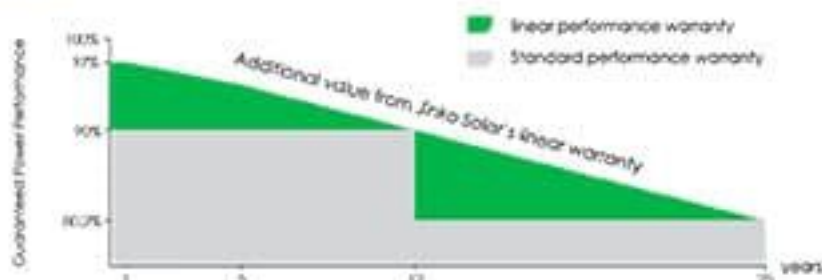
## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty

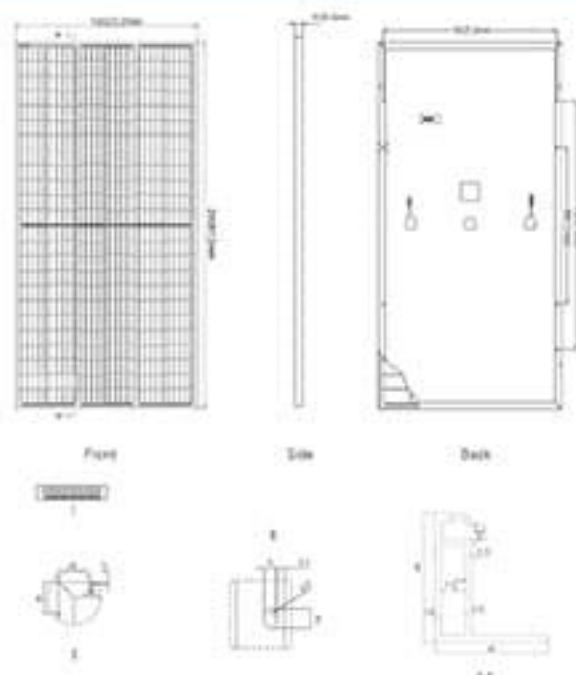


• ISO9001:2008, ISO14001:2004, OHSAS18001 certified factory

• IEC61215, IEC61730, UL1703 certified product



## Engineering Drawings

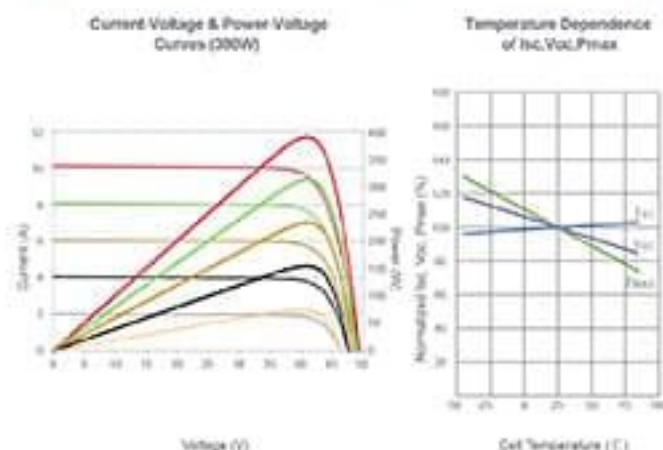


## Packaging Configuration

(Two pallets = One stack.)

26pcs/pallet, 52pcs/stack, 572pcs/40HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	Mono PERC 158.75×158.75mm
No. of Half-cells	144 (6×24)
Dimensions	2008×1002×40mm (79.06×39.45×1.57 inch)
Weight	22.5 kg (49.6 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TUV 1x4.0mm <sup>2</sup> , Anode 290mm, Cathode 145mm or Customized Length

## SPECIFICATIONS

Module Type	JKM300M-72H		JKM350M-72H		JKM390M-72H		JKM390M-72H		JKM400M-72H	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	300Wp	280Wp	385Wp	290Wp	300Wp	294Wp	300Wp	298Wp	400Wp	307Wp
Maximum Power Voltage (Vmp)	40.5V	38.8V	40.8V	38.8V	41.1V	39.1V	41.4V	39.3V	41.7V	39.8V
Maximum Power Current (Imp)	9.39A	7.42A	9.44A	7.46A	9.49A	7.54A	9.55A	7.60A	9.60A	7.66A
Open-circuit Voltage (Voc)	48.9V	47.0V	49.1V	47.7V	49.3V	48.0V	49.5V	48.2V	49.8V	48.5V
Short-circuit Current (Isc)	9.75A	7.85A	9.92A	7.95A	10.12A	8.02A	10.23A	8.09A	10.36A	8.16A
Module Efficiency STC (%)	18.89%		19.14%		19.38%		19.63%		19.89%	
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%