

# Cheetah MX 72M

## 375-395 Watt

MONO PERC MODULE  
Power Optimized

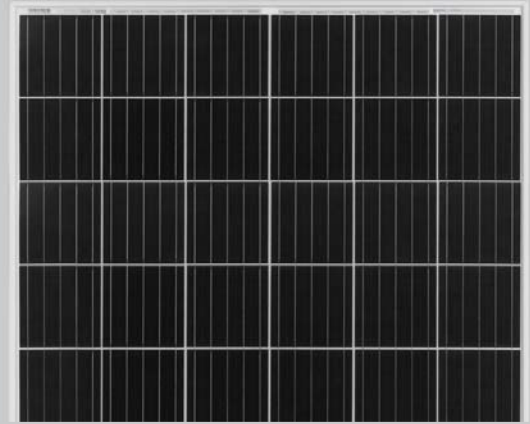
Positive power tolerance of 0~+3%

ISO9001:2008、ISO14001:2004、OHSAS18001  
certified factory.  
IEC61215、IEC61730、UL1703 certified products.

(Made in China)



PERC



### KEY FEATURES



#### Higher Power Output

Decrease in current loss yields higher module efficiency



#### Voltage Limiting Feature

37.2V for 72-cell modules allows for longer strings, reduces overall BOS



#### Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance certified by TUV NORD.



#### Shade Tolerance

More Shade tolerance due to twin arrays and cell string MPPT



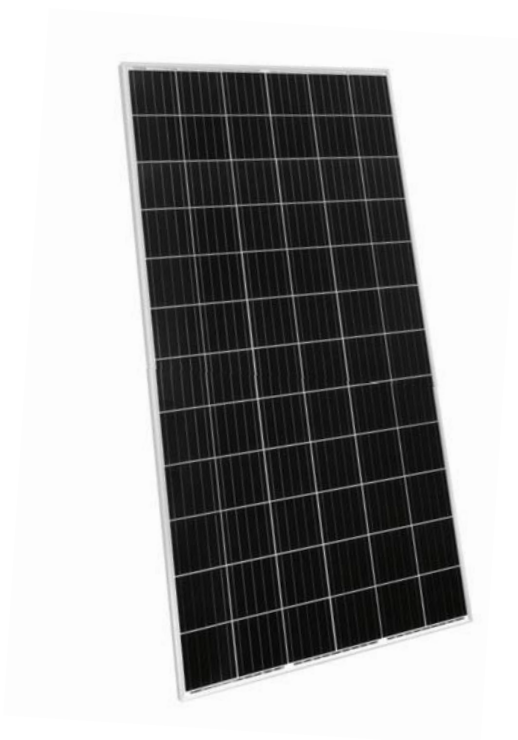
#### Built-in Submodule Optimizer

No additional electronics or hardware required; allows for simple installation



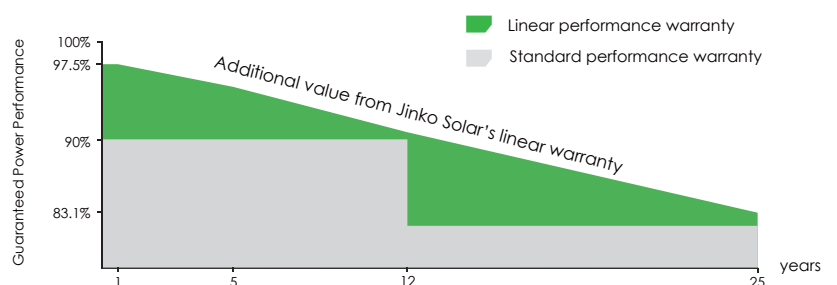
#### PID Free

Reinforced cell prevents potential induced degradation

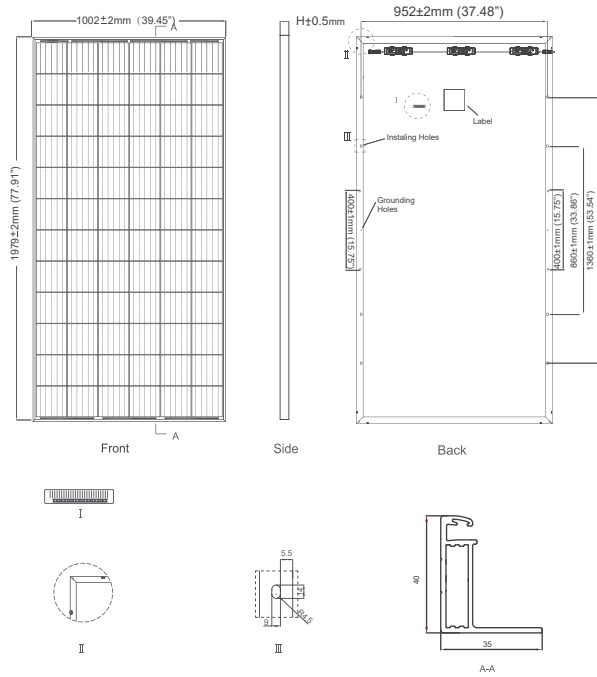


### LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 25 Year Linear Power Warranty



## Engineering Drawings

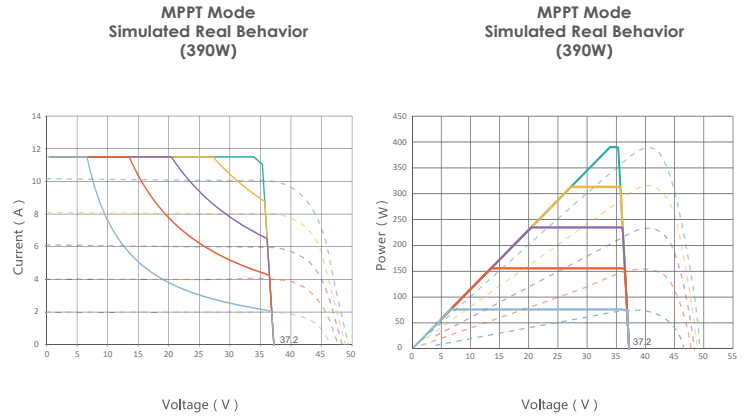


## Packaging Configurations

(Two pallets = One stack)

27pcs/pallet, 54pcs/stack, 594 pcs/40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	Mono PERC	158.75×158.75mm
No. of Cells	72	(6×12)
Dimensions	1979×1002×40mm (77.91×39.45×1.57 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	TÜV 1x4.0mm <sup>2</sup> , (+): 290mm, (-): 145mm or Customized Length	
Connector	PV-KBT4-EVO2/xy, PV-KST4-EVO2/xy	

## SPECIFICATIONS

Module Type	JKMS375M-72-MX3		JKMS380M-72-MX3		JKMS385M-72-MX3		JKMS390M-72-MX3		JKMS395M-72-MX3	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	375Wp	282Wp	380Wp	286Wp	385Wp	290Wp	390Wp	294Wp	395Wp	298Wp
Maximum Power Voltage (Vmp)	40.2V	38.3V	40.5V	38.6V	40.8V	38.8V	41.1V	39.1V	41.4V	39.3V
Maximum Power Current (Imp)	9.33A	7.36A	9.39A	7.42A	9.44A	7.48A	9.49A	7.54A	9.55A	7.60A
Open-circuit Voltage (Voc)	48.7V	47.2V	48.9V	47.5V	49.1V	47.7V	49.3V	48.0V	49.5V	48.2V
Short-circuit Current (Isc)	10.23A	7.82A	10.30A	7.88A	10.38A	7.95A	10.46A	8.02A	10.54A	8.09A
Module Efficiency STC (%)	18.91%		19.16%		19.42%		19.67%		19.92%	
Maximum series fuse rating	15A									
Operating Temperature(°C)	-40°C~+85°C									
Maximum System Voltage	1000VDC (UL and IEC)									
Power Tolerance	0~+3%									
Temperature Coefficients of Pmax	-0.37%/°C									
Temperature Coefficients of Voc	-0.28%/°C for Voc ≤ 37.2V 0.0% /°C for Voc > 37.2V									
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%