

Cheetah MX 60M 310-330 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

33.6V for 60-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

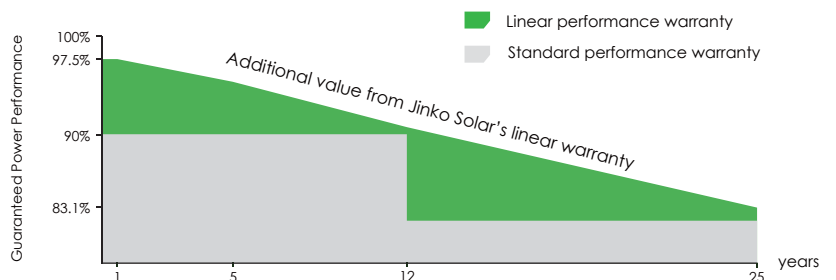


PID Free

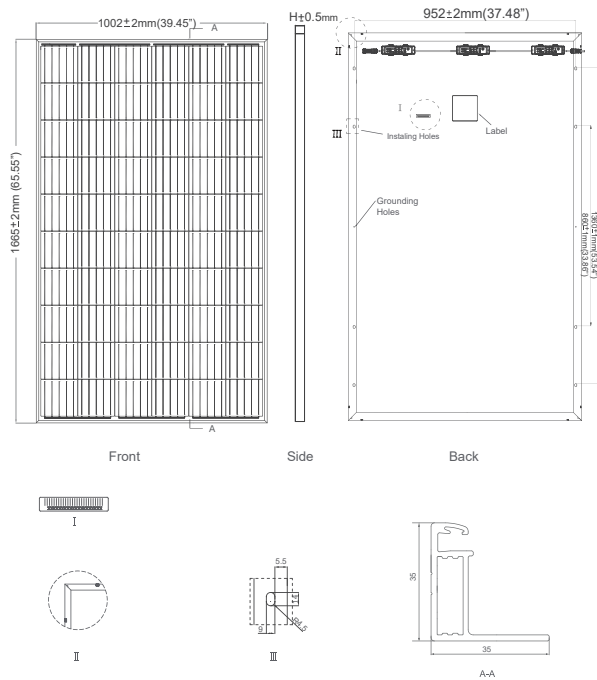
Reinforced cell prevents potential induced degradation

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings



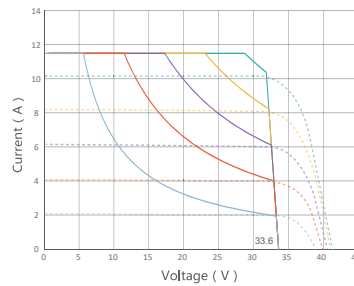
Packaging Configurations

(Two pallets =One stack)

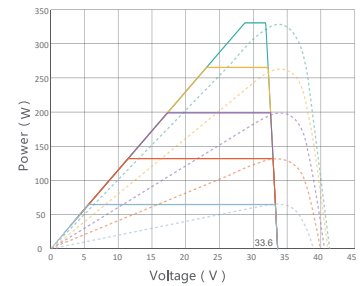
31pcs/pallet, 62pcs/stack, 868pcs/40'HQ Container

Electrical Performance & Temperature Dependence

MPPT Mode
Simulated Real Behavior
(325W)



MPPT Mode
Simulated Real Behavior
(325W)



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, High Transmission, Low Iron, Tempered Glass	
Frame	Anodized Aluminium Alloy (Black)	
Junction Box	IP67 Rated	
Output Cables	TÜV 1x4.0mm ² , (+): 290mm, (-): 145mm or Customized Length	
Connector	PV-KBT4-EVO2/xy, PV-KST4-EVO2/xy	

SPECIFICATIONS

Module Type	JKMS310M-60-MX3		JKMS315M-60-MX3		JKMS320M-60-MX3		JKMS325M-60-MX3		JKMS330M-60-MX3	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	310Wp	231Wp	315Wp	235Wp	320Wp	239Wp	325Wp	242Wp	330Wp	246Wp
Maximum Power Voltage (Vmp)	33.0V	31.0V	33.2V	31.2V	33.4V	31.4V	33.6V	31.6V	33.8V	31.8V
Maximum Power Current (Imp)	9.40A	7.49A	9.49A	7.56A	9.59A	7.62A	9.68A	7.66A	9.77A	7.74A
Open-circuit Voltage (Voc)	40.5V	37.4V	40.7V	37.6V	40.9V	37.8V	41.1V	38.0V	41.3V	38.2V
Short-circuit Current (Isc)	10.15A	8.20A	10.23A	8.33A	10.31A	8.44A	10.50A	8.54A	10.61A	8.65A
Module Efficiency STC (%)	18.58%		18.88%		19.18%		19.48%		19.78%	
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 ≤ 33.6V 0.0% C for VOC >33.6V									
Temperature Coefficients of Isc	0.048%/°C									
Nominal Operating Cell Temperature (NOCT)	45±2°C									

* STC: Irradiance 1000W/m² Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

* Power measurement tolerance: ± 3%