

Cheetah MX 72M-V

370-390 Watt

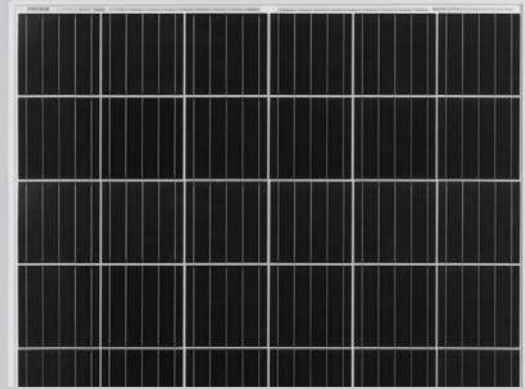
MONO PERC MODULE
Power Optimized

Positive power tolerance of 0~+3%

ISO9001:2015、ISO14001:2015、OHSAS18001
certified factory.
IEC61215、IEC61730、UL1741 certified products.



PERC



KEY FEATURES



Higher Power Output

Decrease in current loss yields higher module efficiency



High Voltage

UL and IEC 1500V certified; lowers BOS costs and yields better LCOE



Voltage Limiting Feature

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



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



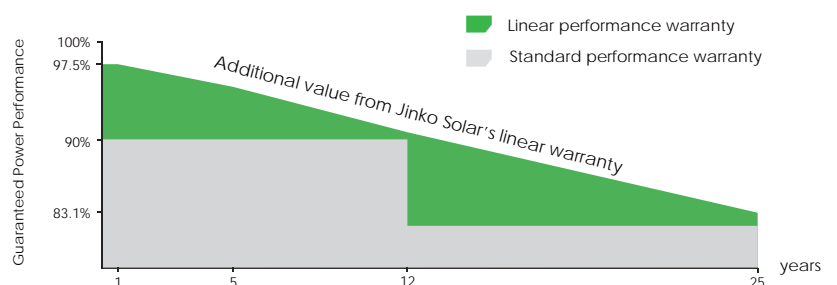
PID Free

Reinforced cell prevents potential induced degradation

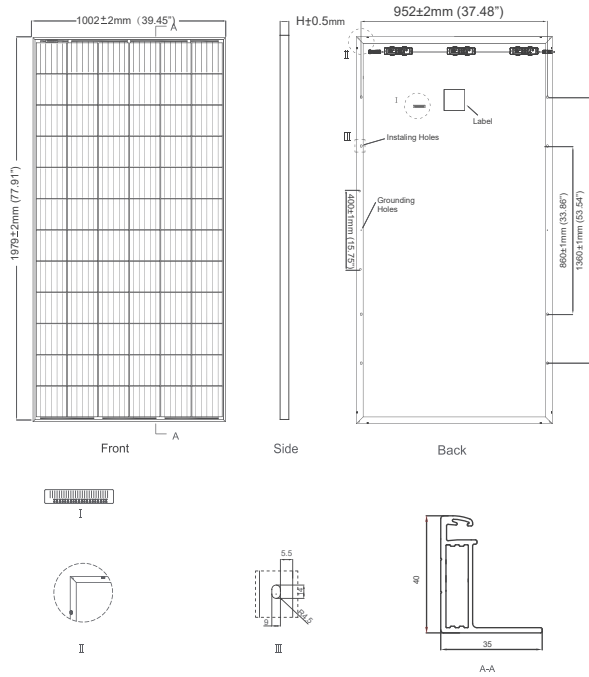


LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings



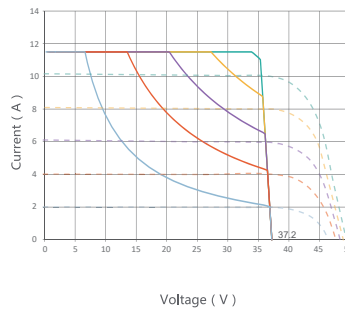
Packaging Configurations

(Two pallets = One stack)

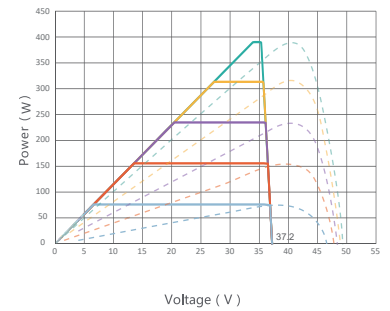
27pcs/pallet, 54pcs/stack, 594 pcs/40'HQ Container

Electrical Performance & Temperature Dependence

MPPT Mode
Simulated Real Behavior
(390W)



MPPT Mode
Simulated Real Behavior
(390W)



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 ² , (+): 290mm, (-): 145mm or Customized Length | |

SPECIFICATIONS

| Module Type | JKMS370M-72-V-MX3 | | JKMS375M-72-V-MX3 | | JKMS380M-72-V-MX3 | | JKMS385M-72-V-MX3 | | JKMS390M-72-V-MX3 | |
|---|---|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax) | 370Wp | 278Wp | 375Wp | 282Wp | 380Wp | 286Wp | 385Wp | 290Wp | 390Wp | 294Wp |
| Maximum Power Voltage (Vmp) | 39.9V | 38.1V | 40.2V | 38.3V | 40.5V | 38.6V | 40.8V | 38.8V | 41.1V | 39.1V |
| Maximum Power Current (Imp) | 9.28A | 7.30A | 9.33A | 7.36A | 9.39A | 7.42A | 9.44A | 7.48A | 9.49A | 7.54A |
| Open-circuit Voltage (Voc) | 48.5V | 47.0V | 48.7V | 47.2V | 48.9V | 47.5V | 49.1V | 47.7V | 49.3V | 48.0V |
| Short-circuit Current (Isc) | 10.15A | 7.75A | 10.23A | 7.82A | 10.30A | 7.88A | 10.38A | 7.95A | 10.46A | 8.02A |
| Module Efficiency STC (%) | 18.66% | | 18.91% | | 19.16% | | 19.42% | | 19.67% | |
| Maximum series fuse rating | 15A | | | | | | | | | |
| Operating Temperature(°C) | -40°C~+85°C | | | | | | | | | |
| Maximum System Voltage | 1500VDC (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/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%