

# JKM320M-72 300-320 Watt MONO CRYSTALLINE MODULE

Positive power tolerance of 0/+3%

ISO9001:2008, ISO14001:2004, OHSAS18001  
 certified factory.  
 UL1703 certified products.  
 (North America Market Use Only)



## KEY FEATURES



### High Efficiency:

High module conversion efficiency (up to 16.49%) through innovative manufacturing technology.



### Low-Light Performance:

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



### Severe Weather Resilience:

Tested to withstand maximum positive loading of 5400Pa and negative loading of 2400Pa.

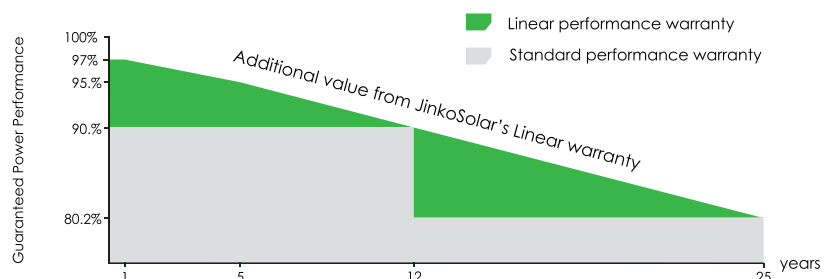


### Durability Against Extreme Environmental Conditions:

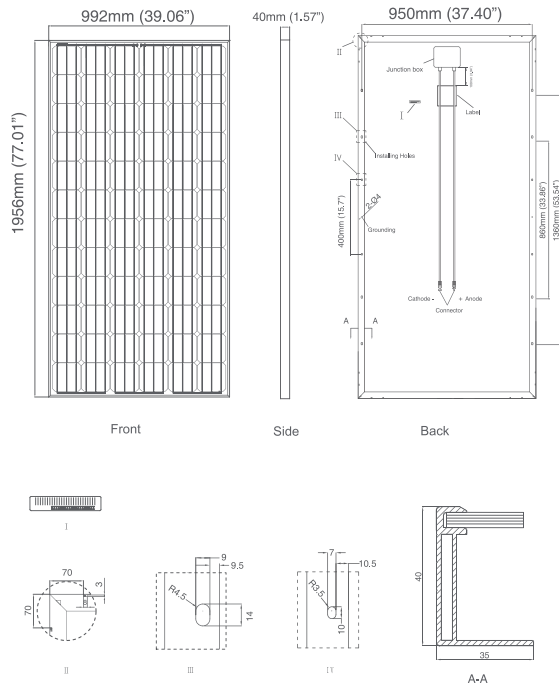
High salt mist and ammonia resistance certified by TUV NORD.

## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



## Engineering Drawings



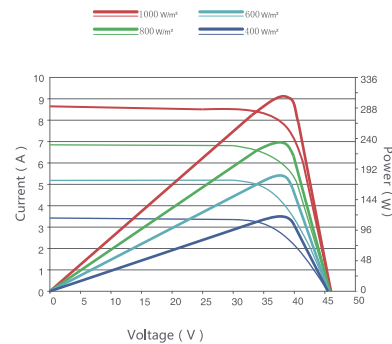
## Packaging Configurations

( Two boxes =One pallet )

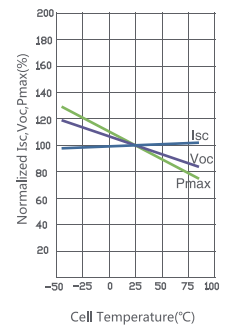
25 pcs/box, 50 pcs/pallet, 600 pcs/40'HQ Container

## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (300W)



Temperature Dependence of Isc, Voc, Pmax



## Mechanical Characteristics

Cell Type	Mono-crystalline 156×156mm (6 inch)
No. of cells	72 (6×12)
Dimensions	1956×992×40mm (77.01×39.06×1.57 inch)
Weight	26.5 kg (58.4 lbs.)
Front Glass	4.0mm, High Transmission, Low Iron, AR Coating Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	12 AWG, Length:1200mm (47.24 inch)
Fire Type	Type 1

## SPECIFICATIONS

Module Type	JKM300M		JKM305M		JKM310M		JKM315M		JKM320M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	300Wp	222Wp	305Wp	226Wp	310Wp	230Wp	315Wp	234Wp	320Wp	238Wp
Maximum Power Voltage (Vmp)	37.0V	35.1V	37.2V	35.3V	37.4V	35.5V	37.6V	35.8V	37.8V	35.9V
Maximum Power Current (Imp)	8.11A	6.32A	8.20A	6.39A	8.29A	6.47A	8.38A	6.54A	8.47A	6.62A
Open-circuit Voltage (Voc)	45.5V	42.8V	45.7V	43.2V	45.9V	43.5V	46.1V	43.9V	46.4V	44.1V
Short-circuit Current (Isc)	8.64A	6.96A	8.72A	7.01A	8.80A	7.06A	8.87A	7.10A	8.98A	7.15A
Module Efficiency STC (%)	15.46%		15.72%		15.98%		16.23%		16.49%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000VDC(UL)									
Maximum series fuse rating	15A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.40%/°C									
Temperature coefficients of Voc	-0.29%/°C									
Temperature coefficients of Isc	0.05%/°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 Wind Speed 1m/s

\* Power measurement tolerance: ± 3%

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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