

JKMS290M-60B-MX

270-290 Watt

MONO CRYSTALLINE MODULE
Power Optimized

Positive power tolerance of 0~+3%

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

(Made in Portugal factory)



(5BB)



KEY FEATURES



Output-Voltage Limiting

Integrated Voltage/Current-Limiting Clamps Output Voltage/Current which reduces the overall system BOS.



Shade Tolerance

MPPT on individual cell-strings optimizes energy harvest



Built-in Cell Optimizer

No additional electronics or hardware required; allows for simple installation



Innovative Solar Cells

Five busbar monocrystalline cell technology improves module efficiency



PID RESISTANT:

Limited power degradation of Eagle module caused by PID effect is guaranteed under strict testing condition (85 C /85%RH,96hours)for mass production.



Low-Light Performance

Advanced glass technology improves light absorption and retention

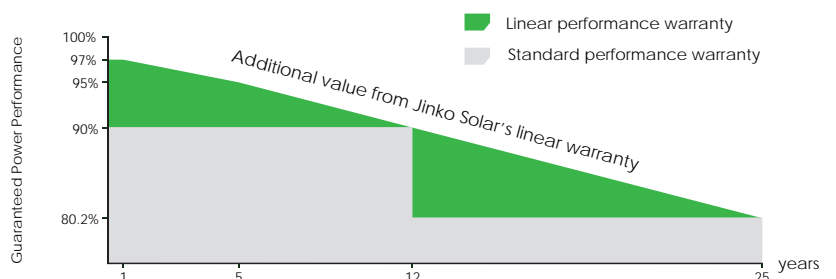


Strength and Durability

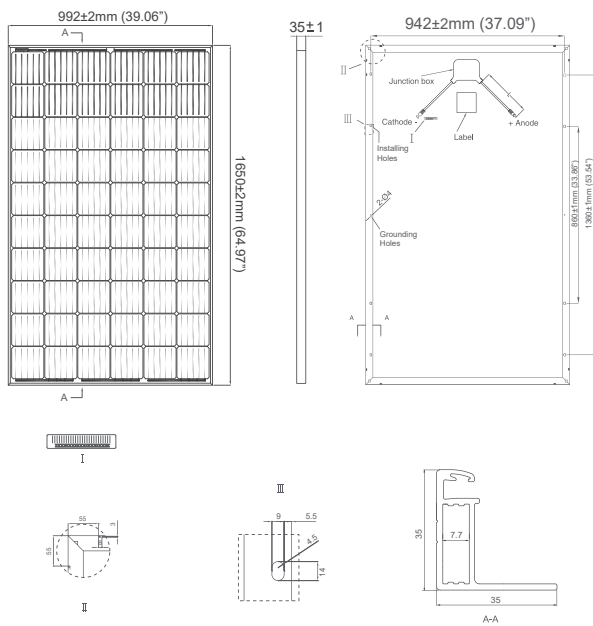
Certified for high snow (5400Pa) and wind (2400Pa) loads

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

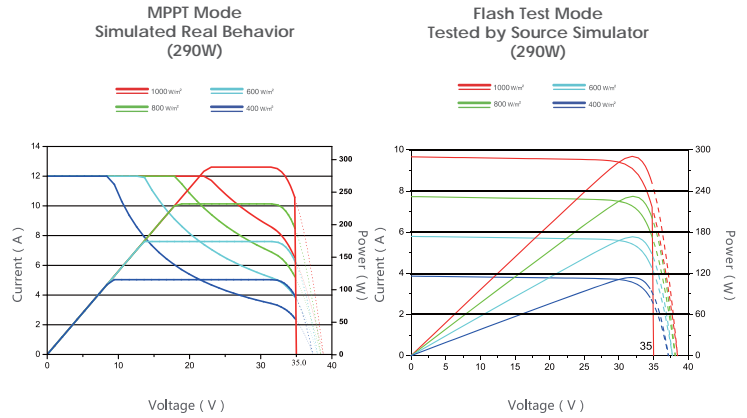


Packaging Configurations

(Two pallets =One stack)

30pcs/pallet , 60pcs/stack, 840 pcs/40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Monocrystalline 156×156mm (6 inch)
No. of Cells	60 (6×10)
Dimensions	1650×992×35mm (65.00×39.05×1.37 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	IP65 Rated
Output Cables	TÜV 1×4.0mm² Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	JKMS270M-60B-MX		JKMS275M-60B-MX		JKMS280M-60B-MX		JKMS285M-60B-MX		JKMS290M-60B-MX	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	270Wp	201Wp	275Wp	205Wp	280Wp	209Wp	285Wp	212Wp	290Wp	216Wp
Maximum Power Voltage (Vmp)	29.8V	29.3V	30.0V	29.6V	30.2V	29.7V	30.4V	29.9V	30.6V	30.2V
Maximum Power Current (Imp)	9.07A	6.85A	9.17A	6.93A	9.28A	7.01A	9.38A	7.12A	9.49A	7.15A
Open-circuit Voltage (Voc)	35.0V	35.0V	35.0V	35.0V	35.0V	35.0V	35.0V	35.0V	35.0V	35.0V
Short-circuit Current (Isc)	12.0A	7.45A	12.0A	7.54A	12.0A	7.62A	12.0A	7.72A	12.0A	7.81A
Module Efficiency STC (%)	16.50%		16.80%		17.11%		17.41%		17.72%	
Maximum series fuse rating	20A									
Operating Temperature(°C)	-40°C~+85°C									
Maximum System Voltage	1000VDC (UL and IEC)									
Power Tolerance	0~+3%									
Temperature Coefficients of Pmax	-0.40%/°C									
Temperature Coefficients of Voc	-0.29%/°C for VOC ≤ 35.0V 0.0% C for VOC >35.0V									
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%