






JKM310M-72

MONO CRYSTALLINE MODULE
290-310 Watt

Jinko Solar introduces a brand-new line of high performance modules in wide application.



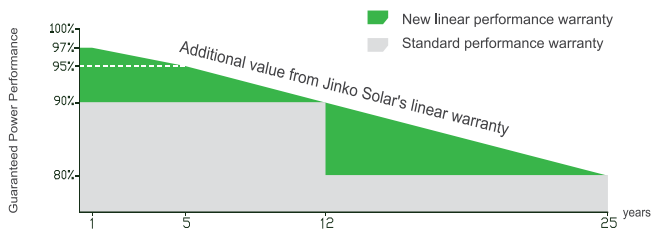
KEY FEATURES

-  High module conversion efficiency (up to 15.98%), through superior manufacturing technology
-  Perfect module self-cleaning capability, reduce power loss caused by dust (soiling effect)
-  Excellent performance in low-light irradiance environment
-  Extreme environment durability, low power degradation under high temperature
-  Entire module certified to withstand high wind loads (2400 Pascal)

QUALITY & SAFETY

- Positive power tolerance of -0/+3% *
- 10 year warranty on material & workmanship *
- Industry leading power output warranty (12 years/90%, 25 years/80%)
- Premium linear performance warranty *

Premium Performance Warranty



* Based on customer requirements and contract terms

ISO9001:2008、ISO14001:2004、OHSAS18001 certified factory
IEC61215、IEC61730、IEC61701、IEC62716 certified products

APPLICATIONS



On-grid residential roof-tops



On-grid commercial/ industrial roof-tops

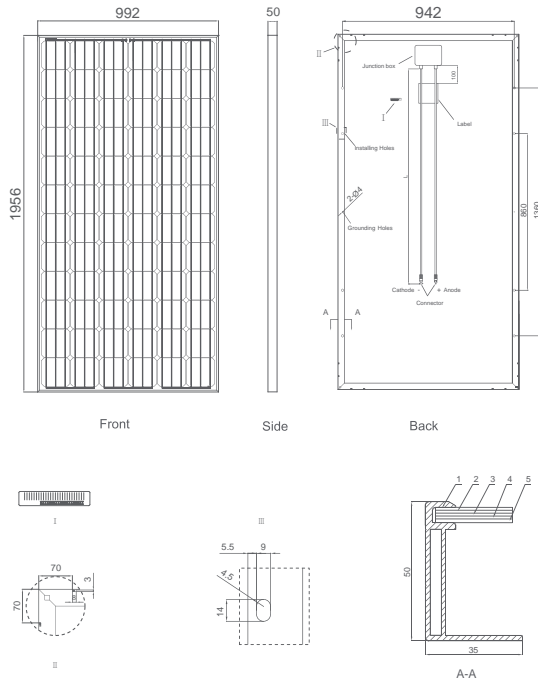


Solar power plants



Off-grid systems

Engineering Drawings



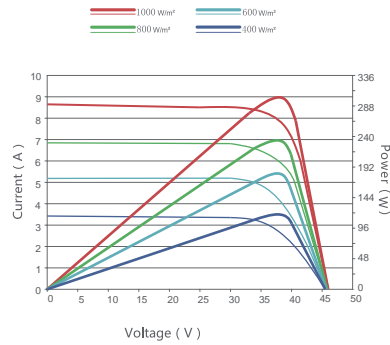
Packaging Configuration

(Two boxes = One pallet)

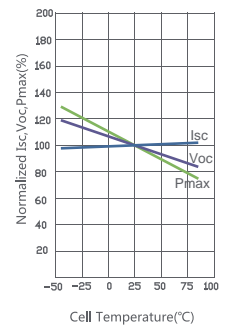
20 pcs/box, 40 pcs/pallet, 440 pcs/40'HQ Container

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (295W)



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

Cell Type	Mono-crystalline 156×156mm (6 inch)
No. of cells	72 (6×12)
Dimensions	1956×992×50mm (77.01×39.05×1.97 inch)
Weight	27.0 kg (59.5 lbs.)
Front Glass	4.0mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TÜV 1×4.0mm ² , Length:900mm~1200mm(optional)

SPECIFICATIONS

Module Type	JKM290M		JKM295M		JKM300M		JKM305M		JKM310M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	290Wp	213Wp	295Wp	217Wp	300Wp	221Wp	305Wp	225Wp	310Wp	229Wp
Maximum Power Voltage (Vmp)	37.2V	34.3V	37.6V	34.7V	38.0V	35.0V	38.2V	35.2V	38.4V	35.4V
Maximum Power Current (Imp)	7.79A	6.21A	7.85A	6.26A	7.90A	6.32A	7.99A	6.39A	8.07A	6.47A
Open-circuit Voltage (Voc)	45.7V	42.1V	46.0V	42.4V	46.4V	42.7V	46.8V	43.1V	47.1V	43.4V
Short-circuit Current (Isc)	8.50A	6.83A	8.59A	6.90A	8.67A	6.69A	8.72A	7.01A	8.78A	7.06A
Module Efficiency STC (%)	14.95%		15.20%		15.46%		15.72%		15.98%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000VDC (IEC)									
Maximum series fuse rating	15A									
Power tolerance	±3% / -0~+3% (Based on customer requirements and contract terms)									
Temperature coefficients of Pmax	-0.41%/°C									
Temperature coefficients of Voc	-0.30%/°C									
Temperature coefficients of Isc	0.05%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

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

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

* Power measurement tolerance: ± 3%