

# JKMS300M-60-MX

## 280-300 Watt

MONO PERC MODULE  
Power Optimized

Positive power tolerance of 0~+3%

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



PERC

(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



#### High Efficiency

Higher module conversion efficiency (up to 18.33%) due to Passivated Emmitter Rear Contact (PERC) technology



#### 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



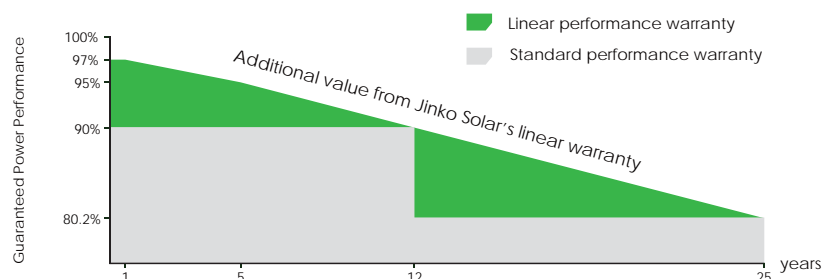
#### Strength and Durability

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

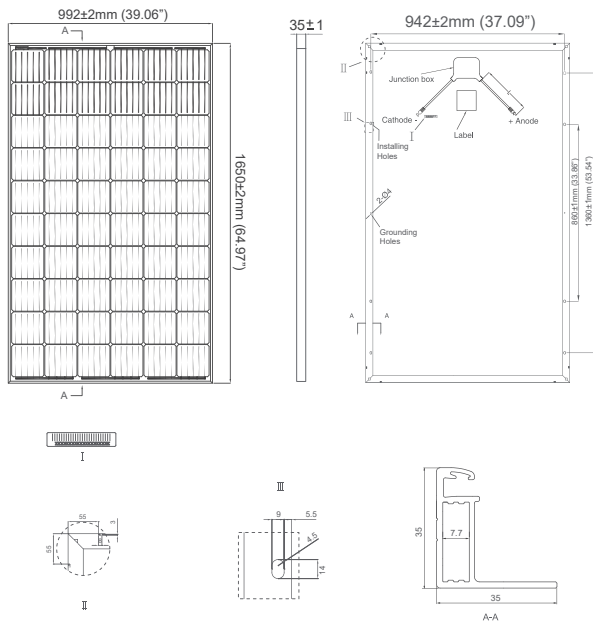


### LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



## Engineering Drawings

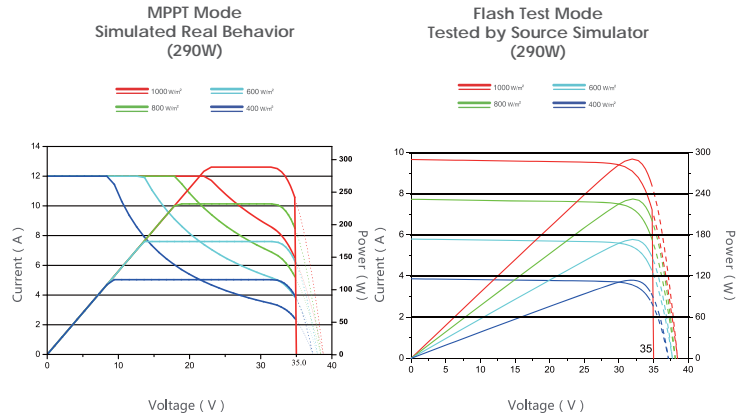


## Packaging Configurations

(Two pallets = One stack)

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

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	Monocrystalline PERC 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	JKMS280M-60-MX		JKMS285M-60-MX		JKMS290M-60-MX		JKMS295M-60-MX		JKMS300M-60-MX	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	280Wp	209Wp	285Wp	212Wp	290Wp	216Wp	295Wp	220Wp	300Wp	224Wp
Maximum Power Voltage (Vmp)	30.2V	29.7V	30.4V	29.9V	30.6V	30.2V	30.8V	30.4V	31.0V	30.6V
Maximum Power Current (Imp)	9.28A	7.01A	9.38A	7.12A	9.49A	7.15A	9.58A	7.24A	9.69A	7.32A
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	7.62A	12.0A	7.72A	12.0A	7.81A	12.0A	7.89A	12.0A	8.01A
Module Efficiency STC (%)	17.11%		17.41%		17.72%		18.02%		18.33%	
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	-0.39%/°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%