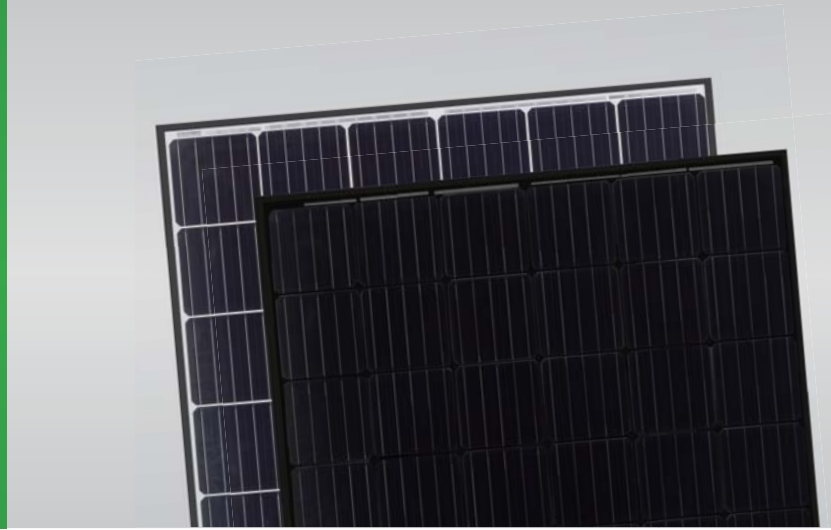


# Eagle MX 60 G2

## 280-300 Watt

MONO PERC MODULE  
Power Optimized

Positive power tolerance of 0~+3%



### KEY FEATURES



#### Voltage Limiting Feature

Allows for longer strings; reduces overall 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



#### High Efficiency

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



#### PID Free

World's 1<sup>st</sup> PID-Free module



#### Strength and Durability

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



- ISO9001:2008 Quality Standards
- ISO14001:2004 Environmental Standards
- OHSAS18001 Occupational Health & Safety Standards

Nomenclature:

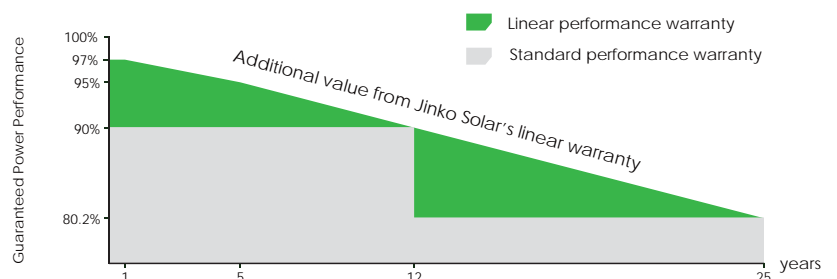
JKMS300M - 60B - MX

Backsheet	Generation
Null - White	Null - Gen 1
B - Black	MX - Gen 2

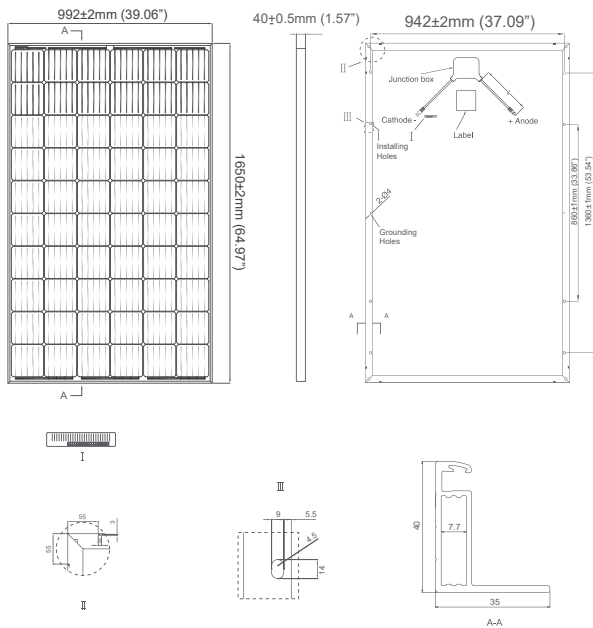


### LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



## Engineering Drawings

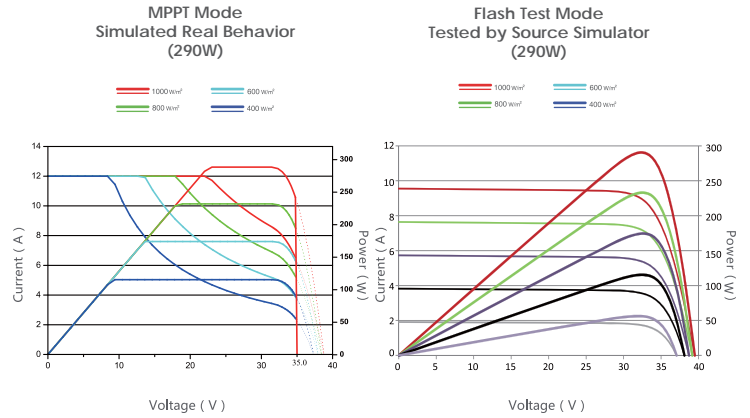


## Packaging Configurations

(Two boxes=One Pallet)

26 pcs/box , 52 pcs/pallet, 728 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	1650×992×40mm (64.97×39.06×1.57 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	IP67 Rated
Output Cables	12 AWG, Length: 900mm (35.43 inch)
Fire Type	Type 1

## 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	224Wp	300Wp	227Wp
Maximum Power Voltage (Vmp)	31.8V	29.7V	32V	29.9V	32.2V	30.2V	32.4V	30.6V	32.6V	30.8V
Maximum Power Current (Imp)	8.81A	7.01A	8.9A	7.12A	9.02A	7.15A	9.1A	7.32A	9.21A	7.40A
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)	9.49A	7.62A	9.51A	7.72A	9.55A	7.81A	9.61A	8.01A	9.72A	8.12A
Module Efficiency STC (%)	17.11%		17.41%		17.72%		18.02%		18.33%	
Ioutmax,MPPT					12A					
Ioutmax,Bypass					15A					
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					
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 AM=1.5 Wind Speed 1m/s

\* Power measurement tolerance: ± 3%

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

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US-MKT-300M-60B-PERC-MX\_1.0\_rev2017