

# Eagle 60 290-310 Watt

MONO PERC MODULE

Positive power tolerance of 0~+3%



## KEY FEATURES



### Innovative Solar Cells

Five busbar monocrystalline PERC cell technology improves module efficiency



### High Efficiency

Higher module conversion efficiency (up to 18.94%) due to Passivated Emitter Rear Contact (PERC) technology



### PID Free

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



### Low-Light Performance

Advanced glass technology improves light absorption and retention



### Strength and Durability

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

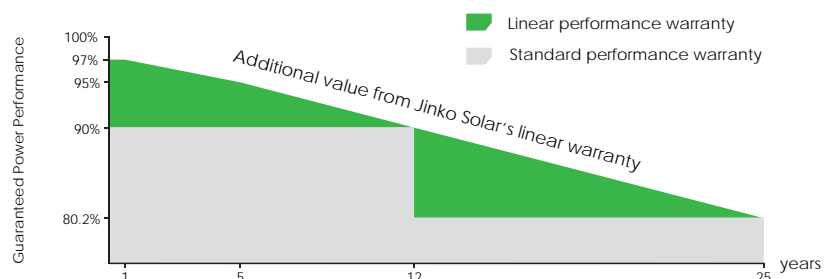


### Weather Resistance

Certified for salt mist and ammonia resistance

## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



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

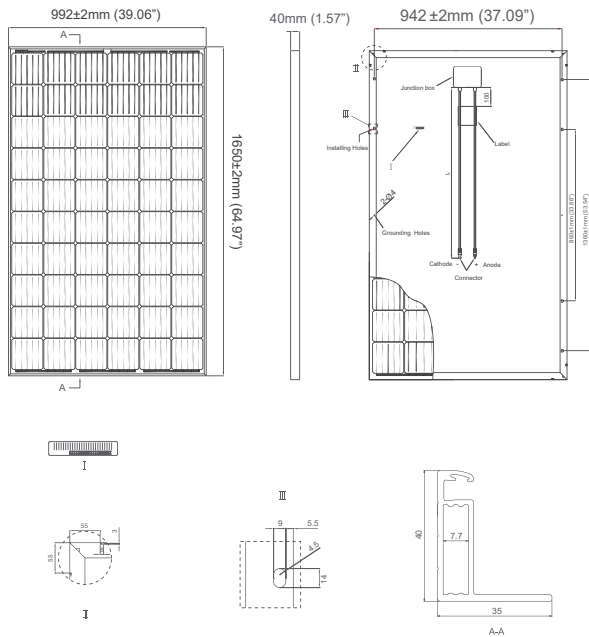
Nomenclature:

**JKM310M - 60B**

Code	Backsheet
null	White
B	Black



## Engineering Drawings

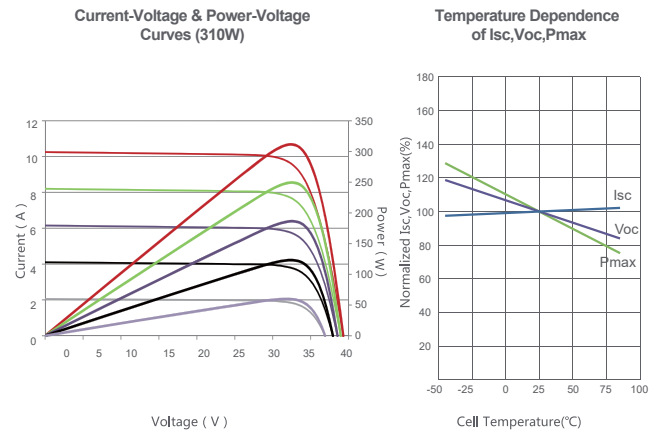


## Packaging Configurations

(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	18.5 kg (40.8 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	JKM290M-60-V		JKM295M-60-V		JKM300M-60-V		JKM305M-60-V		JKM310M-60-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	290Wp	216Wp	295Wp	220Wp	300Wp	224Wp	305Wp	227Wp	310Wp	231Wp
Maximum Power Voltage (Vmp)	32.2V	30.2V	32.4V	30.4V	32.6V	30.6V	32.8V	30.8V	33.0V	31.0V
Maximum Power Current (Imp)	9.02A	7.15A	9.10A	7.24A	9.21A	7.32A	9.30A	7.40A	9.40A	7.49A
Open-circuit Voltage (Voc)	39.5V	36.6V	39.7V	36.8V	40.1V	37.0V	40.3V	37.2V	40.5V	37.4V
Short-circuit Current (Isc)	9.55A	7.81A	9.61A	7.89A	9.72A	8.01A	9.83A	8.12A	9.92A	8.20A
Module Efficiency STC (%)	17.72%		18.02%		18.33%		18.63%		18.94%	
Operating Temperature (°C)	-40°C~+85°C									
Maximum System Voltage	1000VDC (UL and IEC)									
Maximum Series Fuse Rating	20A									
Power Tolerance	0~+3%									
Temperature Coefficients of Pmax	-0.39%/°C									
Temperature Coefficients of Voc	-0.29%/°C									
Temperature Coefficients of Isc	0.048%/°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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