

# Eagle EP 60 280-300 Watt

PLUG & PLAY  
MONO PERC AC MODULE

Positive power tolerance of 0~+3%

\*NEC 2014/2017 Rapid Shutdown Compliant



## KEY FEATURES



### Faster Installation & Simple Logistics

Factory backsheet integrated microinverter reduces installation time and allows for fewer components to stock, transport, and carry on roof



### High Performance

High module conversion efficiency due to PERC and AC architecture



### User Friendly

Single warranty backed by JinkoSolar, technical support call center, and web-based module-level monitoring with integrated asset tracking



### Easy O&M

Microinverter can be replaced in the field without changing the DC module



### Expanded Deployment Options

Flexible for complex roofs, partial shading, small systems, and system expandability; design to your roof not the string inverter



### 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:

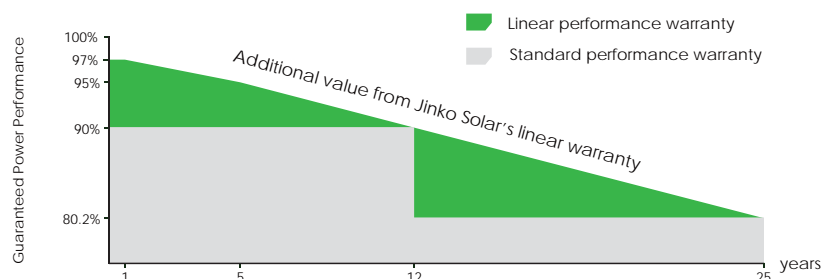
JKMS300M - 60B - EP

Code	Backsheet
null	White
B	Black



## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



## 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	20.5 kg (45.2 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: 600mm (23.62 inch)
Fire Type	Type 1

## Packaging Configurations

(Two boxes=One Pallet)

26 pcs/box , 52 pcs/pallet, 728 pcs/40'HQ Container

## DC Electrical Properties (STC\*)

Maximum Power (Pmax)	280Wp	285Wp	290Wp	295Wp	300Wp
Maximum Power Voltage (Vmp)	31.8V	32V	32.2V	32.4V	32.6V
Maximum Power Current (Imp)	8.81A	8.9A	9.02A	9.1A	9.21A
Open-circuit Voltage (Voc)	38.6V	38.7V	39.5V	39.7V	40.1V
Short-circuit Current (Isc)	9.49A	9.51A	9.55A	9.61A	9.72A
Module Efficiency STC (%)	17.11%	17.41%	17.72%	18.02%	18.33%
Operating Temperature (°C)	-40°C~+85°C				
Maximum Series Fuse Rating	15A				
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				

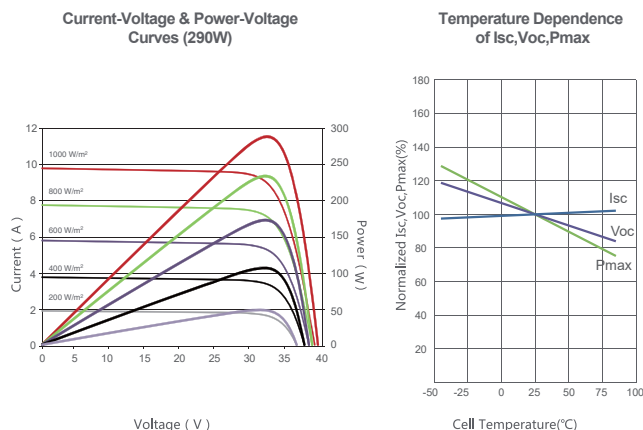
\* STC: Irradiance 1000W/m<sup>2</sup> Cell Temperature 25°C AM=1.5

## AC Electrical Data

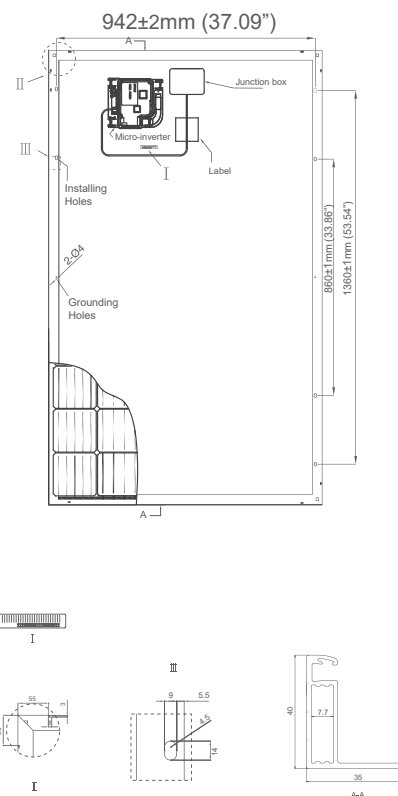
Peak Output Power (VA)	240
Max. Continuous Output Power (VA)	230
Nominal Voltage / Range (V)	240 / 211 - 264
Nominal Output Current (A)	0.96
Nominal Frequency / Range (Hz)	60.0 / 59.3 - 60.5
Power Factor / Adjustable	1 / 0.7 leading...0.7 lagging
CEC Weighted Efficiency (%)	97.0
Max. Branch Circuit Over Current Protection	20
Number of Max. AC Modules (EA)	16

\* Power measurement tolerance: ± 3%

## Electrical Performance & Temperature Dependence



## Engineering Drawings



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

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US-MKT-Eagle-EP-60\_1.0\_rev2017