

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:

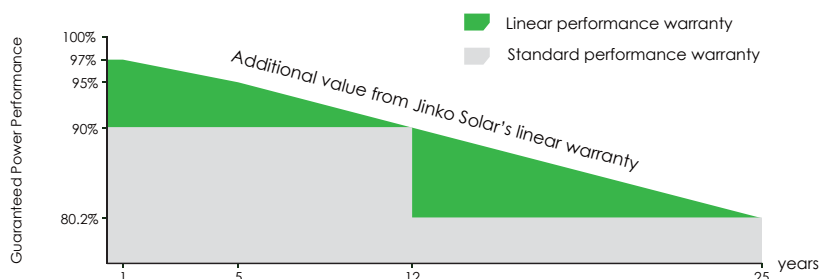
JKMS300M - 60B - EP

Code	Backsheet
null	White
B	Black



LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Mechanical Characteristics

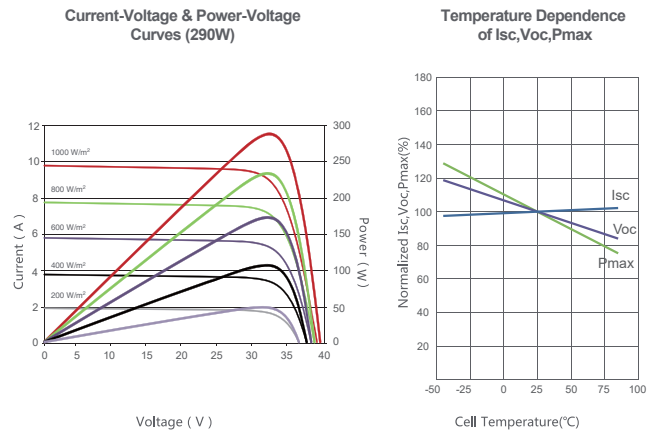
Cell Type	Monocrystalline PERC 156×156mm (6 inch)
No. of Cells	60 (6×10)
Dimensions	1650×992×40mm (64.97×39.06×1.57 inch)
Weight	20.5 kg (45.2 lbs.)
Front Glass	3.2mm, Anti-reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy (Black)
Junction Box	IP67 Rated
Output 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

Electrical Performance & Temperature Dependence

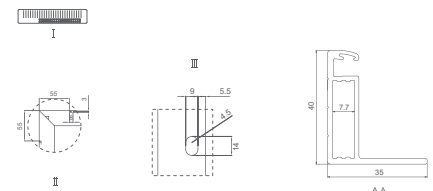
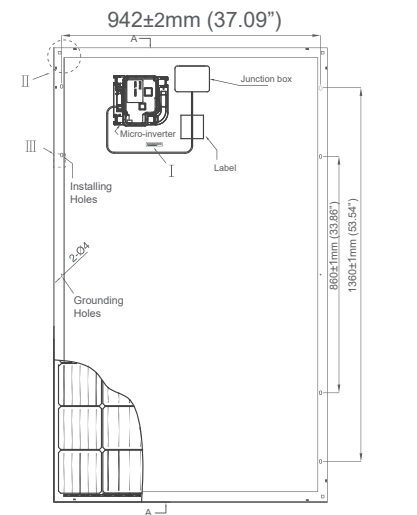


DC Electrical Properties (STC*)

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	20A				
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/m² 📄 Cell Temperature 25°C ☁ AM=1.5

Engineering Drawings



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%

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

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