

Eagle PERC 60M-V

295-315 Watt

MONO CRYSTALLINE MODULE

Positive power tolerance of 0~+3%

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



PERC

(5BB)



KEY FEATURES



System Voltage:

The maximum voltage is promoted to 1500V and the module strings are extended by 50% which reduces the overall system BOS.



5 Busbar Solar Cell:

5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



High Efficiency:

Higher module conversion efficiency (up to 19.24%) benefit from Passivated Emmitter Rear Contact (PERC) technology.



PID RESISTANT:

Eagle modules pass PID test, limited power degradation by PID test is guaranteed for mass production.



Low-light Performance:

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



Severe Weather Resilience:

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

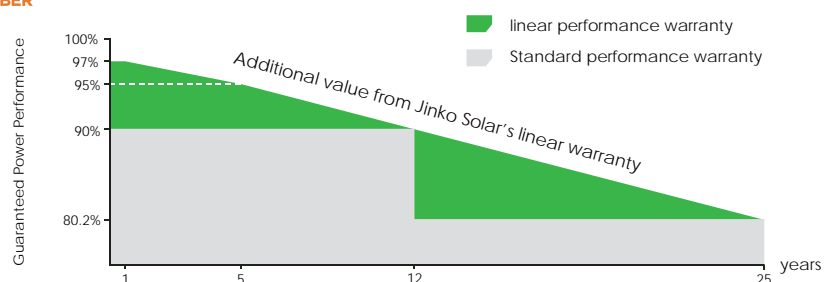


Durability against extreme environmental conditions:

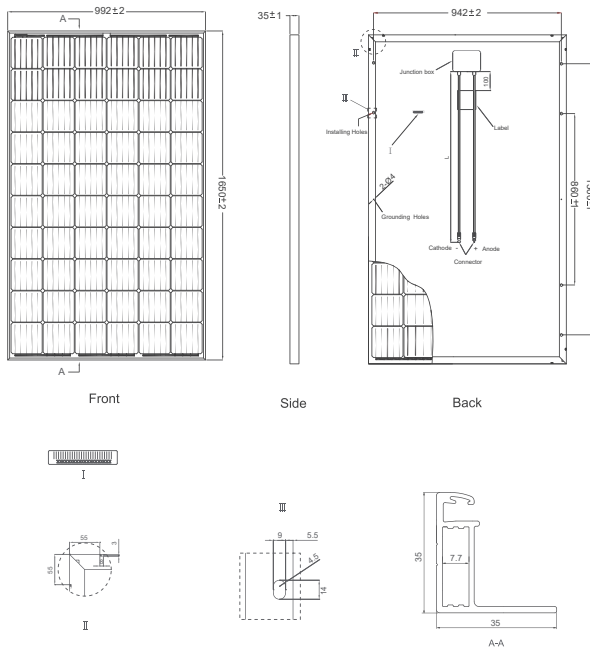
High salt mist and ammonia resistance certified by TUV NORD.

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

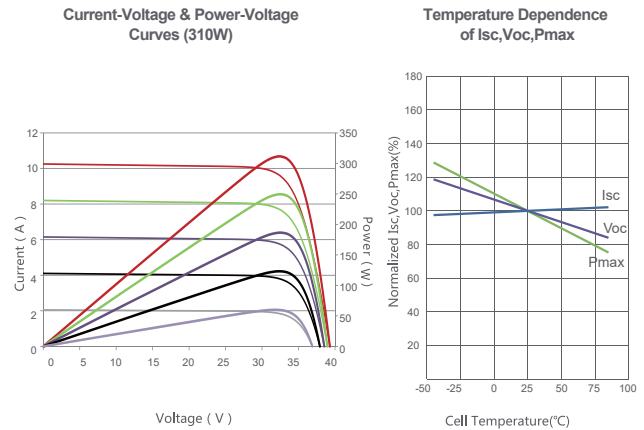


Packaging Configuration

(Two pallets = One stack)

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

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono-crystalline 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, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TÜV 1×4.0mm ² ; Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	JKM295M-60-V		JKM300M-60-V		JKM305M-60-V		JKM310M-60-V		JKM315M-60-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P_{max})	295Wp	220Wp	300Wp	224Wp	305Wp	227Wp	310Wp	231Wp	315Wp	235Wp
Maximum Power Voltage (V_{mp})	32.4V	30.4V	32.6V	30.6V	32.8V	30.8V	33.0V	31.0V	33.2V	31.2V
Maximum Power Current (I_{mp})	9.10A	7.24A	9.21A	7.32A	9.30A	7.40A	9.40A	7.49A	9.49A	7.56A
Open-circuit Voltage (V_{oc})	39.7V	36.8V	40.1V	37.0V	40.3V	37.2V	40.5V	37.4V	40.7V	37.6V
Short-circuit Current (I_{sc})	9.61A	7.89A	9.72A	8.01A	9.83A	8.12A	9.92A	8.20A	10.04A	8.33A
Module Efficiency STC (%)	18.02%		18.33%		18.63%		18.94%		19.24%	
Operating Temperature ($^{\circ}C$)	-40 $^{\circ}C$ ~ +85 $^{\circ}C$									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	20A									
Power tolerance	0~+3%									
Temperature coefficients of P_{max}	-0.39%/ $^{\circ}C$									
Temperature coefficients of V_{oc}	-0.29%/ $^{\circ}C$									
Temperature coefficients of I_{sc}	0.048%/ $^{\circ}C$									
Nominal operating cell temperature (NOCT)	45 \pm 2 $^{\circ}C$									

STC: Irradiance 1000W/m²

Cell Temperature 25 $^{\circ}C$

AM=1.5

NOCT: Irradiance 800W/m²

Ambient Temperature 20 $^{\circ}C$

AM=1.5

Wind Speed 1m/s

* Power measurement tolerance: \pm 3%