

Eagle 1500V 60 260-280 Watt

POLY CRYSTALLINE MODULE

Positive power tolerance of 0~+3%

ISO9001:2008, ISO14001:2004, OHSAS18001 certified factory.

IEC61215, IEC61730 certified products.



(4BB)



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.



4 Busbar Solar Cell:

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



High Power Output:

Polycrystalline 60-cell module achieves a power output up to 280Wp.



PID RESISTANT:

The Eagle module can pass maximum voltage 1500V PID testing under 60 C /85%RH condition to ensure the outdoor durability and energy output via high-voltage resistance technology.



Low-light Performance:

Advanced glass and 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.



Temperature Coefficient:

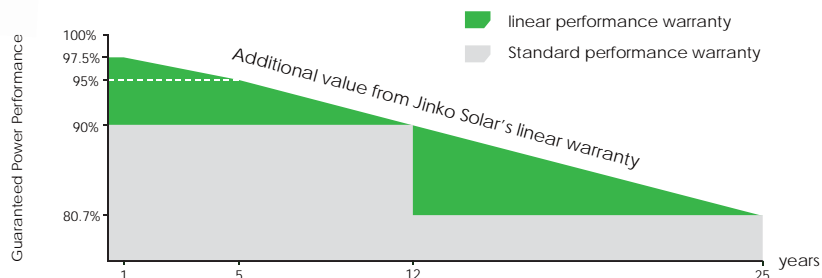
Improved temperature coefficient decreases power loss during high temperatures.

LINEAR PERFORMANCE WARRANTY

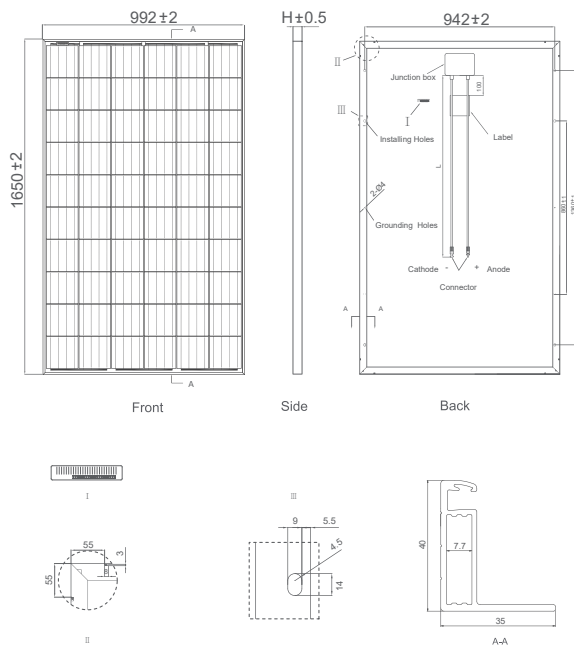
10 Year Product Warranty • 25 Year Linear Power Warranty



POSITIVE QUALITY™
Continuous Quality Assurance



Engineering Drawings



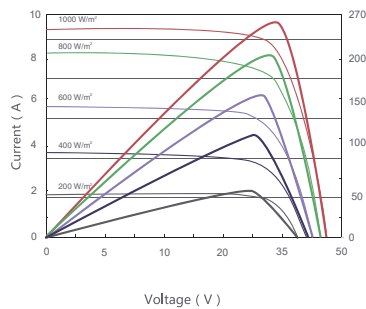
Packaging Configuration

(Two boxes=One pallet)

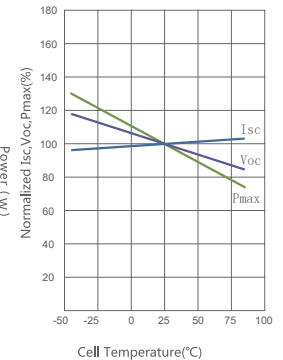
26pcs/box, 52pcs/pallet, 728 pcs/40'HQ Container

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (265W)



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

Cell Type	Poly-crystalline 156×156mm (6 inch)
No. of cells	60 (6×10)
Dimensions	1650×992×40mm (65.00×39.05×1.57 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
Junction Box	IP67 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	JKM260PP-60-V		JKM265PP-60-V		JKM270PP-60-V		JKM275PP-60-V		JKM280PP-60-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	260Wp	194Wp	265Wp	198Wp	270Wp	202Wp	275Wp	205Wp	280Wp	209Wp
Maximum Power Voltage (Vmp)	31.1V	28.3V	31.4V	28.7V	31.7V	29.0V	32.0V	29.3V	32.3V	29.6V
Maximum Power Current (Imp)	8.37A	6.84A	8.44A	6.91A	8.52A	6.97A	8.61A	7.00A	8.69A	7.06A
Open-circuit Voltage (Voc)	38.1V	35.1V	38.6V	35.3V	38.8V	35.6V	39.1V	35.9V	39.4V	36.1V
Short-circuit Current (Isc)	8.98A	7.26A	9.03A	7.31A	9.09A	7.35A	9.15A	7.37A	9.20A	7.42A
Module Efficiency STC (%)	15.89%		16.19%		16.50%		16.80%		17.11%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	15A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.40%/°C									
Temperature coefficients of Voc	-0.30%/°C									
Temperature coefficients of Isc	0.06%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

*STC: Irradiance 1000W/m² Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

* Power measurement tolerance: ± 3%