

# Eagle HC 60P-V 265-285 Watt

POLY CRYSTALLINE MODULE

Positive power tolerance of 0~+3%

- Half Cell
- Poly 60 Cell
- System Voltage: 1500 VDC



## 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 17.26%).



### 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.

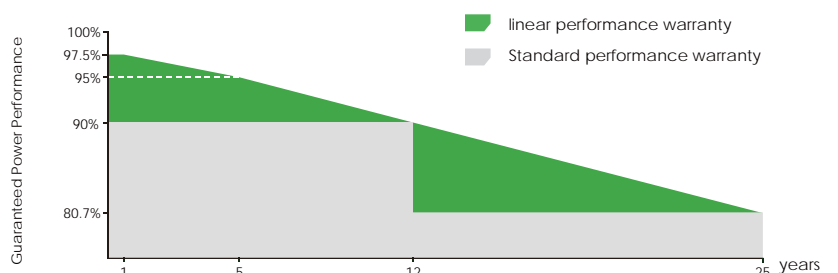


## LINEAR PERFORMANCE WARRANTY

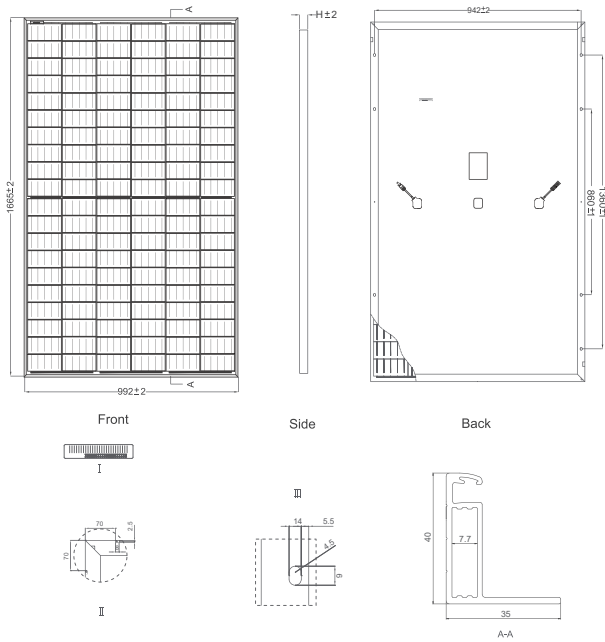
10 Year Product Warranty • 25 Year Linear Power Warranty

• ISO9001:2008、ISO14001:2004、OHSAS18001 certified factory.

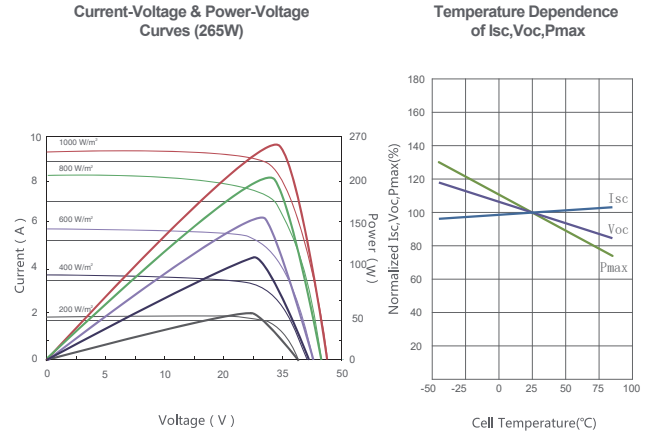
• IEC61215、IEC61730 certified products



## Engineering Drawings



## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	Poly-crystalline 156×156mm (6 inch)
No. of Half-cells	120 (12×10)
Dimensions	1665×992×40mm (65.55×39.05×1.57 inch)
Weight	19.2 kg (41.9 lbs)
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	anode 290mm, cathode 145mm

## Packaging Configuration

( Two pallets = One stack )

26pcs/pallet , 52pcs/stack, 676 pcs/40'HQ Container

## SPECIFICATIONS

Module Type	JKM265PP-60H-V		JKM270PP-60H-V		JKM275PP-60H-V		JKM280PP-60H-V		JKM285PP-60H-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	265Wp	198Wp	270Wp	202Wp	275Wp	205Wp	280Wp	209Wp	285Wp	213Wp
Maximum Power Voltage (Vmp)	31.4V	28.7V	31.7V	29.0V	32.0V	29.3V	32.3V	29.6V	32.6V	29.9V
Maximum Power Current (Imp)	8.44A	6.91A	8.52A	6.97A	8.61A	7.00A	8.69A	7.06A	8.76A	7.12A
Open-circuit Voltage (Voc)	38.6V	35.3V	38.8V	35.6V	39.1V	35.9V	39.4V	36.1V	39.6V	36.4V
Short-circuit Current (Isc)	9.03A	7.31A	9.09A	7.35A	9.15A	7.37A	9.20A	7.42A	9.26A	7.47A
Module Efficiency STC (%)	16.04%		16.35%		16.65%		16.95%		17.26%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500V DC (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%