

Eagle MCT 60

260-280 Watt

POLYCRYSTALLINE MODULE

Positive power tolerance of 0~+3%

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



(5BB)



KEY FEATURES



System Voltage:

Designed for high voltage system up to 1500V, saving BOS cost.



PID RESISTANT:

Excellent Anti-PID performance guarantee limited power degradation for mass production.



High Power Output:

Up to 280W and 17.11% efficiency, leading performance in the industry.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

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

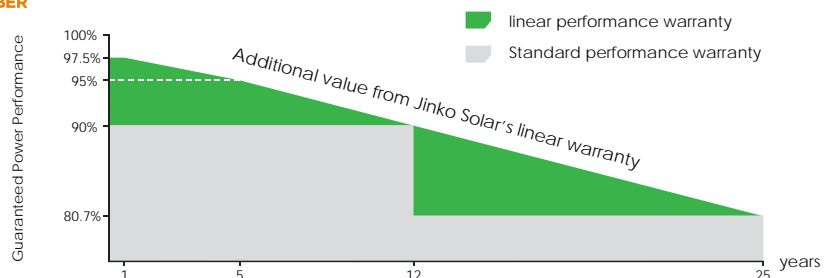


5 Busbar Solar Cell:

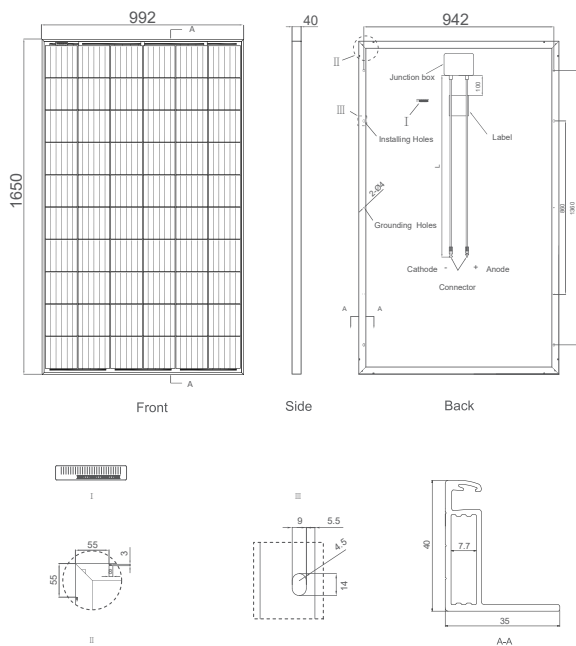
5 busbar cell design improves module efficiency and reduces power loss.

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings



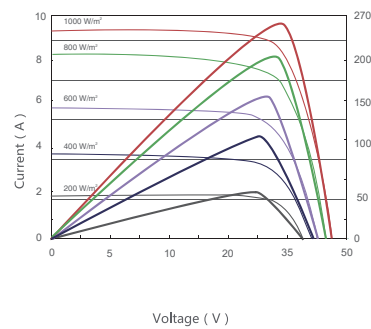
Packaging Configuration

(Two boxes=One pallet)

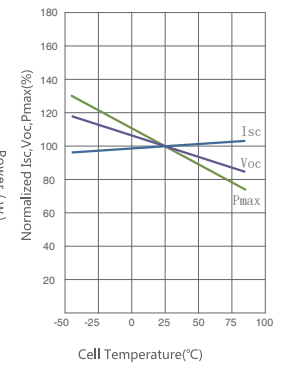
26pcs/pallet, 52pcs/stack, 728 pcs/40'HQ Container

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	18.5 kg (40.8 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-J4V		JKM265PP-60-J4V		JKM270PP-60-J4V		JKM275PP-60-J4V		JKM280PP-60-J4V	
	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	28.4V	31.4V	28.7V	31.7V	29.0V	32.0V	29.3V	32.3V	29.6V
Maximum Power Current (Imp)	8.35A	6.86A	8.44A	6.91A	8.52A	6.97A	8.61A	7.00A	8.69A	7.06A
Open-circuit Voltage (Voc)	38.3V	35.0V	38.6V	35.3V	38.8V	35.6V	39.1V	35.9V	39.4V	36.1V
Short-circuit Current (Isc)	8.98A	7.28A	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	20A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.40%/°C									
Temperature coefficients of Voc	-0.31%/°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%