

Eagle PERC 60 280-300 Watt

MONO CRYSTALLINE MODULE

Positive power tolerance of 0~+3%

ISO9001:2008\ISO14001:2004\OHSAS18001

IEC61215 IEC61730 certified products





KEY FEATURES



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 Efficiency:

Higher module conversion efficiency(up to 18.33%) benefit from Passivated Emmiter Rear Contact (PERC) technology.



PID RESISTANT:

Limited power degradation of Eagle module caused by PID effect is guaranteed under strict testing condition (85 $\!$ C/85%RH,96hours)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.







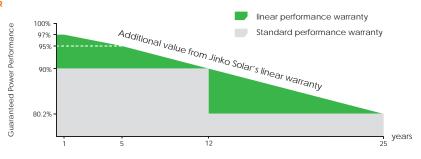






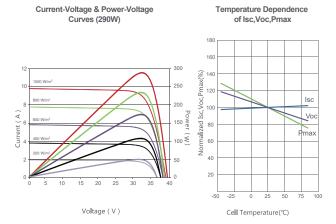
LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

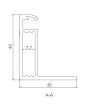
Front Side Back



Electrical Performance & Temperature Dependence







Packaging Configuration

(Two boxes=One pallet)

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

Mechanical Characteristics

Cell Type	Mono-crystalline PERC 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 1×4.0mm², Length: 900mm or Customized Length							

SPECIFICATIONS

Module Type	JKM280M-60		JKM28	JKM285M-60		JKM290M-60		JKM295M-60		JKM300M-60	
	STC I	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	
Maximum Power (Pmax)	280Wp 2	209Wp	285Wp	212Wp	290Wp	216Wp	295Wp	220Wp	300Wp	224Wp	
Maximum Power Voltage (Vmp)	31.8V 2	29.7V	32.0V	29.9V	32.2V	30.2V	32.4V	30.4V	32.6V	30.6V	
Maximum Power Current (Imp)	8.81A	7.01A	8.90A	7.12A	9.02A	7.15A	9.10A	7.24A	9.21A	7.32A	
Open-circuit Voltage (Voc)	38.6V 3	36.2V	38.7V	36.4V	39.5V	36.6V	39.7V	36.8V	40.1V	37.0V	
Short-circuit Current (Isc)	9.49A	7.62A	9.51A	7.72A	9.55A	7.81A	9.61A	7.89A	9.72A	8.01A	
Module Efficiency STC (%)	17.11%		17.41%		17.72%		18.02%		18	18.33%	
Operating Temperature(°C)					-40°C	~+85°C					
Maximum system voltage				1000VDC (IEC)							
Maximum series fuse rating				15A							
Power tolerance				0~+3%							
Temperature coefficients of Pmax				-0.39%/℃							
Temperature coefficients of Voc				-0.29%/°C							
Temperature coefficients of Isc				0.05%/°C							
Nominal operating cell temperature (NOCT)				45±2℃							



















^{*} Power measurement tolerance: ± 3%