JinKO Solar

Building Your Trust in Solar

Eagle SE 60P-V
270-290 Watt
POLY CRYSTALLINE MODULE
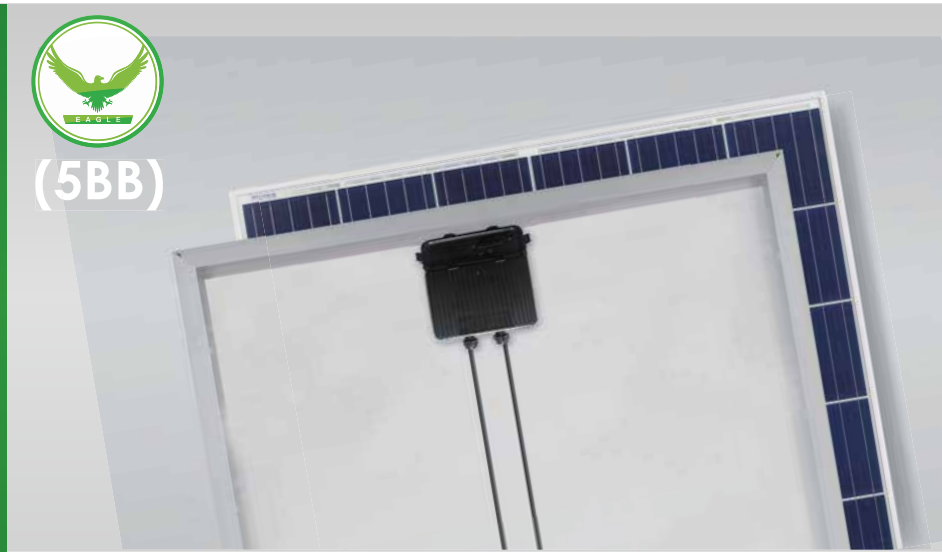
(5BB)

Positive power tolerance of 0~+3%

JinkoSolar introduces a brand new line of highly intelligent modules for a wide range of applications.

IEC61215,IEC61730 certified products

(Made in China)

Optimized by solaredge

KEY FEATURES

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.

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

PID Resistant:
Limited power degradation of Eagle module caused by PID effect is guaranteed under strict testing condition (85℃/85%RH,96hours)for mass production.

Maximum Power
Integrated optimizer mitigates power loss from panel-to-panel mismatch caused by shading, soiling, aging, and unfavorable roof orientations to ensure maximum power output

Monitor Benefits:
Power optimizers monitor the performance of each module and communicate performance data to the SE monitoring portal for enhanced, cost-effective module-level maintenance.

Safety
Module level disconnects provide safety and regulation compliance
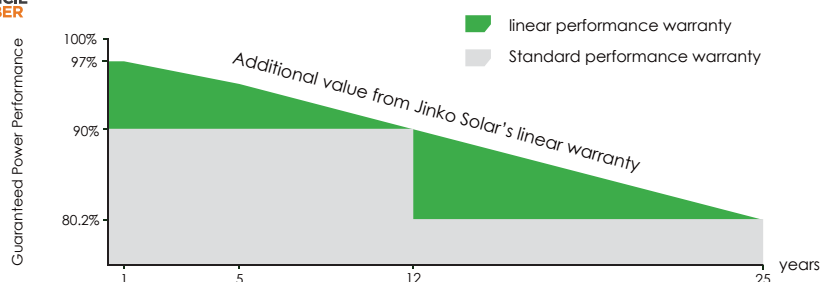
Durability Against Extreme Environmental Conditions
High salt mist and ammonia resistance certified by TUV NORD.

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty

■ linear performance warranty
▨ Standard performance warranty

Additional value from Jinko Solar's linear warranty

Guaranteed Power Performance

100%
97%
90%
80.2%

years
1   5   12   25

PV CYCLE   TÜVRheinland CERTIFIED   CE   POSITIVE QUALITY™ Continuous Quality Assurance   CLEAN ENERGY COUNCIL MEMBER

Smart Module

Next generation of photovoltaic modules that will revolutionize the solar industry and accelerate the pace toward grid parity.

SYSTEM OVERVIEW
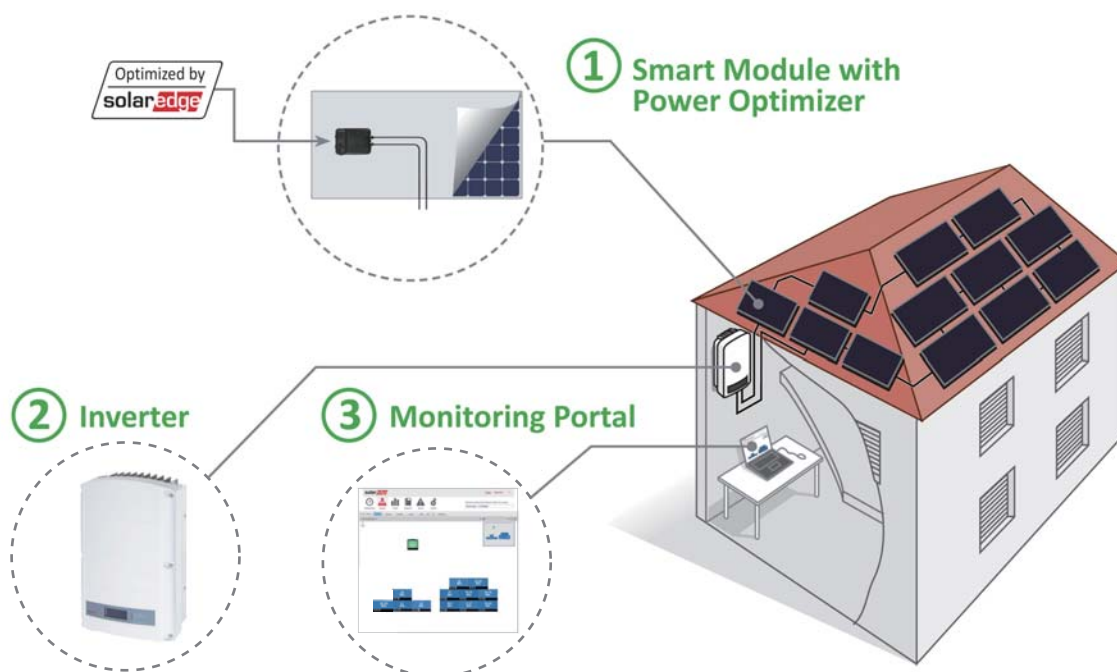
Unique Safety Features

— SafeDC™ allows automatic module DC shutdown when the inverter is not operating or AC is shut down

— Module and inverter thermal shutdown capability

— Electrical arc prevention through SafeDC™

Made in China

PRODUCTS

Additional products and services available from SolarEdge:

Single & Three Phase Inverters

2.2kW		4kW*	
3kW		5kW	
3.5kW		7kW	
4kW		8kW	
5kW		9kW	* Available in Gemrany, Austria and Denmark; for
6kW		10kW	other countries, contact SolarEdge

Commercial & Utility-Scale Inverters

Commercial

5kW	12.5kW
7kW	15kW
8kW	16kW
9kW	17kW
10kW	

Monitoring

Monitoring Portal   Monitoring Apps   Safety & Monitoring Interface

Communication & Safety Accessories

Wifi Communication Solution   ZigBee wireless connectivity

Installer Tools

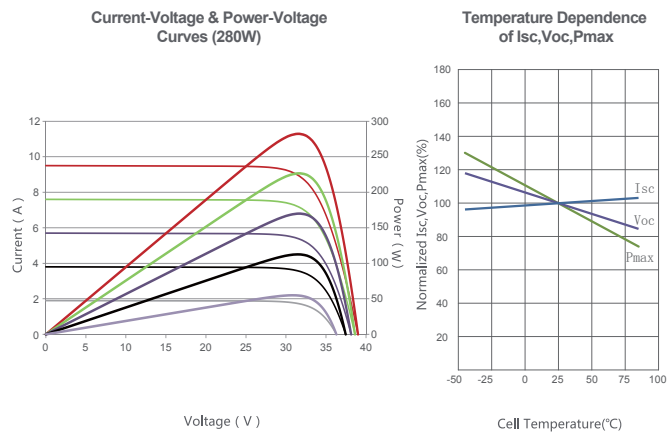Site Designer   Site Mapper   key

Engineering Drawings

992 | H±0.5 | 942±2

1650

Front | Side | Back

II — Junction box
III — I
Installing Holes — Label
Grounding Holes
Cathode − ∨ + Anode
Connector

9 | 5.5
55 | 3
55 | 4.5
| 14
45
35
A-A

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (280W)

Current (A) | Power (W)
Voltage (V)

Temperature Dependence of Isc,Voc,Pmax

Normalized Isc,Voc,Pmax(%)
Isc
Voc
Pmax
Cell Temperature(°C)

Mechanical Characteristics

Cell Type	Poly-crystalline 156×156mm (6 inch)
No.of cells	60 (6×10)
Dimensions	1650×992×45mm (65.00×39.05×1.77 inch)
Weight	19.7 kg (43.4 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated (SolarEdge OPJ300-LV)
Output Cables	TüV 1×4.0mm², Length: 900mm or Customized Length
Connector	JK03M; Jinko PV Material

Packaging Configuration

(Two pallets =One stack)

23pcs/pallet , 46pcs/stack, 644 pcs/40'HQ Container

SPECIFICATIONS

Module Type	JKMS270PP-60-V		JKMS275PP-60-V		JKMS280PP-60-V		JKMS285PP-60-V		JKMS290PP-60-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	270Wp	202Wp	275Wp	205Wp	280Wp	209Wp	285Wp	213Wp	290Wp	217Wp
Maximum Power Voltage (Vmp)	31.7V	29.0V	32.0V	29.3V	32.3V	29.6V	32.5V	29.9V	32.8V	30.2V
Maximum Power Current (Imp)	8.52A	7.00A	8.61A	7.00A	8.69A	7.06A	8.77A	7.12A	8.85A	7.19A
Open-circuit Voltage (Voc)	38.4V	35.9V	38.7V	35.9V	39.0V	36.1V	39.3V	36.4V	39.6V	36.7V
Short-circuit Current (Isc)	9.27A	7.35A	9.38A	7.37A	9.50A	7.42A	9.78A	8.47A	9.85A	7.53A
Module Efficiency STC (%)	16.50%		16.80%		17.11%		17.41%		17.72%	
Safe DC™ output Voltage	1V									
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	-0.30%/°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%

The company reserves the final right for explanation on any of the information presented hereby. JKMS270-290PP-60-V-SE-A2-EN