

For a Free Quote:

Web: EnergyPal.com/solar

Call: 1-800-990-3725

Email: contact@energypal.com

EnergyPal

Solar Panel Guide Specification Data Sheet

China Sunergy (Nanjing) Co., Ltd.

JSM 330-345-72P

JSM 345-72P

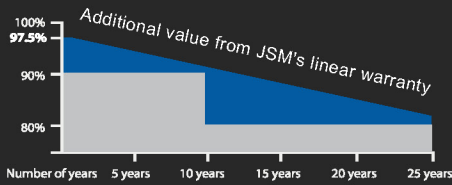
Also available on the web at
EnergyPal.com/china-sunergy-nanjing-co-ltd-solar-panels/jsm-345-72p

Galaxy series

The power output shall not be less than 97.5% of the minimum power output stated in the product data sheet in the first year of the product's life cycle. The loss of power output shall not exceed 0.7% per year thereafter, ending with 80.7% in the 25th year.

■ JSM ■ Standard warranty

JSM's NEW linear performance warranty



JSM 345-72P

High efficiency PERC tech for esthetic applications

Module Fire Performance: Type 1 (UL 1703)

Fire Resistance Rating: Class C (IEC 61730)

JSM345-72P

JSM340-72P

JSM335-72P

JSM330-72P

17.78%
Module efficiency

345 W
Highest power output

10 yeras
Material & workmanship warranty

25 yeras
Linear power output warranty



Industry leading conversion efficiency



Certificated to withstand wind (2400 Pa) and snow load (5400 Pa)



Positive tolerance offer



Excellent performance under weak light condition



Passed salt mist & ammonia corrosion, blowing sand and hail testing



Good temperature coefficient enables better output in hot climates

Munich RE
Munich Re providing Reinsurance



All rights reserved by JSM
Version 4/2019

All information and data are subject to change without notice and are provided without liability.



Electrical Characteristics at Standard Test Conditions (STC)

Module Type	JSM 345-72P	JSM 340-72P	JSM 335-72P	JSM 330-72P
Maximum Power - P _{mpp} (W)	345	340	335	330
Positive Power Tolerance	0~3%	0~3%	0~3%	0~3%
Open Circuit Voltage - Voc (V)	46.5	46.3	46.2	46.1
Short Circuit Current - I _{sc} (A)	9.60	9.50	9.37	9.28
Maximum Power Voltage - V _{mpp} (V)	38.2	38.1	37.9	37.8
Maximum Power Current - I _{mpp} (A)	9.04	8.94	8.84	8.75
Module Efficiency	17.78%	17.52%	17.26%	17.01%

Electrical data relates to standard test conditions (STC): irradiance 1000W/m²; AM 1.5; cell temperature 25°C measuring uncertainty of power is within ±3%. Certified in accordance with IEC61215, IEC61730-1/2 and UL 1703

Electrical Characteristics at Nominal Operating Cell Temperature (NOCT)

Module Type	JSM 345-72P	JSM 340-72P	JSM 335-72P	JSM 330-72P
Maximum Power - P _{mpp} (W)	251	247	244	243
Maximum Power Voltage - V _{mpp} (V)	42.9	42.7	42.6	42.6
Maximum Power Current - I _{mpp} (A)	7.73	7.65	7.55	7.48
Open Circuit Voltage - Voc (V)	35.1	35.0	34.9	34.8
Short Circuit Current - I _{sc} (A)	7.16	7.09	7.00	6.99

Electrical data relates to nominal operating cell temperature (NOCT): irradiance 800W/m²; wind speed 1 m/s; cell temperature 45°C; ambient temperature 20°C measuring uncertainty of power is within ±3%.

Temperature Characteristics

Voltage Temperature Coefficient	-0.292%/K
Current Temperature Coefficient	+0.045%/K
Power Temperature Coefficient	-0.408%/K

Maximum Ratings

Maximum System Voltage (V)	1000&1500
Series Fuse Rating (A)	20
Reverse Current Overload (A)	27

Mechanical Characteristics

Dimensions	1956 × 992 × 40 mm
Weight	22 kg
Frame	Anodized aluminum profile
Front glass	Toughened low iron glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite film
Cells	6x12 polycrystalline solar cells (5 BB 156.75 × 156.75 mm)
Junction Box	Rated current ≥ 13 A, IP ≥ 67, TUV & UL
Cable	Length 900 mm, 1 × 4 mm ²
Connector	Compatible with MC4

Packaging

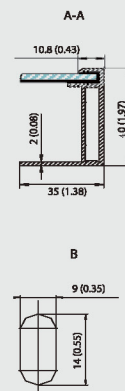
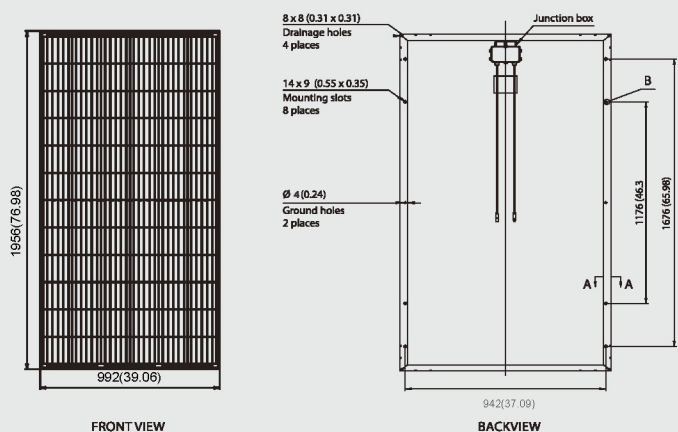
Container 20'	260 pcs.
Container 40'	624 pcs.
Container 40'HC	672 pcs.

System Design

Temp. Range	-40°C to +85°C
Hail	Max. diameter of 25mm with impact speed of 23m/s
Max. Capacity	Snow 5400 Pa, wind 2400 Pa
Application Class	A
Safety Class	II

Dimensions

Note: mm (inch)



IV-Curves

