

Poly

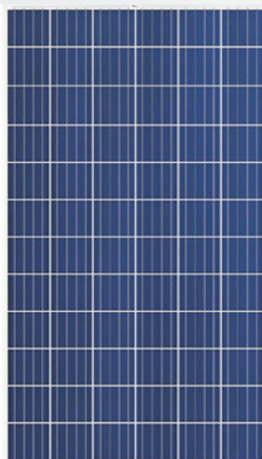
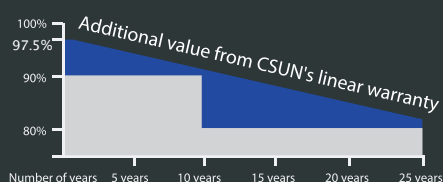


Powerguard Insurance Global Coverage

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.

■ CSUN ■ Standard warranty

CSUN's NEW linear performance warranty



CSUN330-72P

The Large Scale Project Solution

CSUN330-72P CSUN325-72P
 CSUN320-72P CSUN315-72P
 CSUN310-72P

17.04%
Module efficiency

330 W
Highest power output

10 years
Material & workmanship warranty

25 years
Linear power output warranty



PID-free



Industry leading conversion efficiency



Positive tolerance offer



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



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



Excellent performance under weak light conditions



Good temperature coefficient enables better output in hot climates

- China Sunergy Co., Ltd. designs, manufactures and delivers high efficiency solar cells and modules to the world from its production centers based in China, Turkey, South Korea and Vietnam.
- Founded in 2004, China Sunergy is well known for its advanced solar cell technology, reliable product quality, and excellent customer service.
- As one of leading PV enterprises, China Sunergy has delivered more than 4.0GW of solar products to residential, commercial, utility and off-grid projects all around the world.

* Note: All specifications, warranties, certifications about module of „CSUN “ series also apply to that of “SST”
 All information and data are subject to change without notice and are provided without liability.

Right 2017



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Electrical characteristics at Standard Test Conditions (STC)

Module	CSUN 330-72P	CSUN 325-72P	CSUN 320-72P	CSUN 315-72P	CSUN 310-72P
Maximum Power - P _{mpp} (W)	330	325	320	315	310
Positive power tolerance	0~3%	0~3%	0~3%	0~3%	0~3%
Open Circuit Voltage - Voc (V)	45.3	45.1	45	44.9	44.8
Short Circuit Current - I _{sc} (A)	9.31	9.24	9.17	9.11	9.03
Maximum Power Voltage - V _{mpp} (V)	36.4	36.3	36.2	36.1	36
Maximum Power Current - I _{mpp} (A)	9.08	8.96	8.84	8.73	8.61
Module efficiency	17.04%	16.78%	16.52%	16.27%	16.01%

Standard Test Conditions (STC) : irradiance 1000W /m²; AM 1.5G ; module 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	CSUN 330-72P	CSUN 325-72P	CSUN 320-72P	CSUN 315-72P	CSUN 310-72P
Maximum Power - P _{mpp} (W)	243	239	235	232	228
Maximum Power Voltage - V _{mpp} (V)	34.3	34.2	34.1	33.8	33.5
Maximum Power Current - I _{mpp} (A)	7.07	6.99	6.89	6.86	6.80
Open Circuit Voltage - Voc (V)	41.9	41.7	41.6	41.5	41.4
Short Circuit Current - I _{sc} (A)	7.49	7.45	7.40	7.34	7.30

Nominal Operating Module Temperature (NOCT): irradiance 800W /m²; wind speed 1 m/s ; module temperature 45°C; ambient temperature 20°C. Measuring uncertainty of power is within ±3%. Certified in accordance with IEC61215, IEC61730-1/2 and UL 1703

Temperature Characteristics

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

Maximum Ratings

Maximum system voltage (V)	1000
Series fuse rating (A)	20
Reverse current overload (A)	27

Mechanical Characteristics

Dimensions	1956 × 990 × 40 mm
Weight	22.1 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 pieces polycrystalline solar cells series strings
Junction Box	Rated current ≥ 12A, IP ≥ 65, TUV & UL
Cable	Length 900 mm, 1 × 4 mm ²
Connector	MC 4/ compatible with MC 4

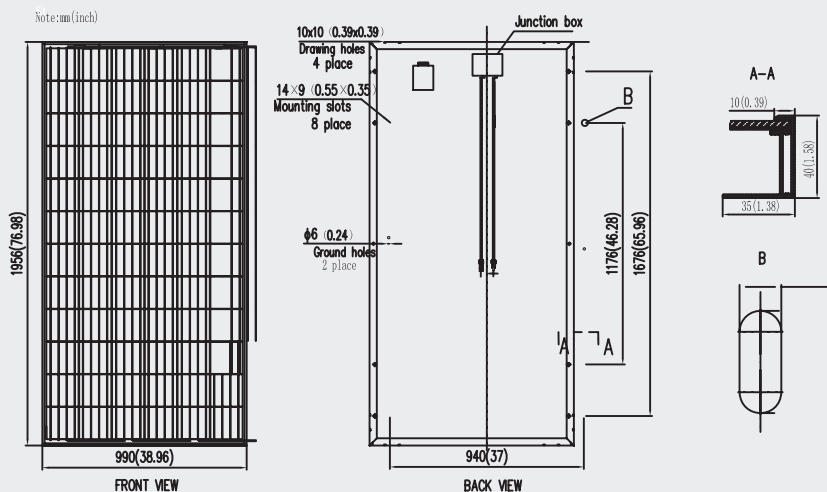
Packaging

Container 20'	260 pcs.
Container 40'	624 pcs.
Container 40' HC	684 pcs.

System Design

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

Dimensions



IV-Curves

