

Poly

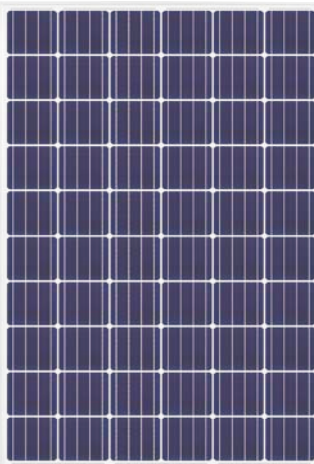
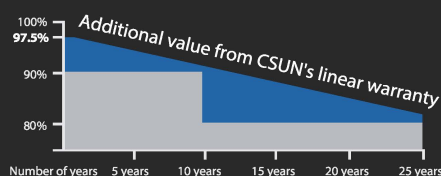


Powerguard Insurance Global Coverage

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



CSUN315-72P

The Large Scale Project Solution

CSUN305-72P CSUN310-72P
CSUN315-72P

16.26%

Module efficiency

315W

Highest power output

10 years

Material&workmanship warranty

25 years

Linear power output warranty



PID-free



World class mono efficiency



Tighter product performance distribution and current sorting reduces the mismatch power loss in system operation



positive tolerance offer



Good temperature coefficient enables higher output in high temperature regions



Excellent performance under low light conditions



Certified for salt/ammonia corrosion resistance



Load certificates: wind to 2400Pa and snow to 5400Pa

- CSUN, established in 2004, is a high-tech corporation with its core business in R&D, manufacturing and sale of high-efficiency silicon based solar cells and modules.
- As one of the leading PV enterprises in the world, CSUN has delivered more than 1GW solar products to residential, commercial, utility and off-grid projects all around the world.
- Through strict selection of raw materials, stringent quality control and rigorous test in state of the art facilities in Istanbul, Nanjing and Shanghai, CSUN has always committed to higher efficiency, more stable and better cost performance products.

* 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.



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Version 3/2014-ENG

Electrical Characteristics at Standard Test Conditions (STC)

Module Type	CSUN315-72P	CSUN310-72P	CSUN305-72P
Maximum Power-P _{max} (W)	315	310	305
Open Circuit Voltage - V _{oc} (V)	45.4	45.3	45.2
Short Circuit Current - I _{sc} (A)	9.00	8.94	8.87
Maximum Power Voltage - V _{mpp} (V)	37.1	36.9	36.7
Maximum Power Current - I _{mp} (A)	8.49	8.40	8.31
Module Efficiency	16.26%	16.01%	15.75%

Standard Test Conditions [STC]: irradiance 1,000 W/m²; AM 1.5G; module temperature 25°C. Measuring uncertainty of power is within ±3%. Tolerance of P_{mp}: 0~+3%. Certified in accordance with IEC61215, IEC61730-1/2 and UL1703.

Electrical Characteristics at Nominal Operating Cell Temperature (NOCT)

Module Type	CSUN315-72P	CSUN310-72P	CSUN305-72P
Maximum Power-P _{max} (W)	232.6	230.0	225.3
Open Circuit Voltage - V _{oc} (V)	42.2	42.1	42.0
Short Circuit Current - I _{sc} (A)	7.26	7.22	7.16
Maximum Power Voltage - V _{mpp} (V)	34.2	34.1	33.8
Maximum Power Current - I _{mp} (A)	6.80	6.75	6.66

Nominal Operating Module Temperature(NOCT): irradiance 800W/m²; wind speed 1m/s; ambient temperature 20°C. Measuring uncertainty of power is within ±3%, Certified in accordance with IEC61215, IEC61730-1/2 and UL1703.

Temperature Characteristics

Voltage Temperature Coefficient	-0.292%/°C
Current Temperature Coefficient	+0.045%/°C
Power Temperature Coefficient	-0.408%/°C
NOCT	45±2°C

Maximum Ratings

Maximum system voltage(V)	1000
Series fuse rating(A)	20

Mechanical Characteristics

Dimensions	1956 × 990 × 50mm (L × W × H)
Weight	22.3kg
Frame	Anodized aluminum profile
Front Glass	White toughened safety glass, 3.2mm
Cell Encapsulation	EVA(Ethylene-Vinyl-Acetate)
Back Sheet	Composite film
Cells	6×12 pieces poly crystalline solar cells series strings (156mm×156m)
Junction Box	Rated current ≥ 13A, IP ≥ 67, TUV & UL
Cable & Connector	Length 900mm, 1×4mm ² , compatible with MC4

Packaging

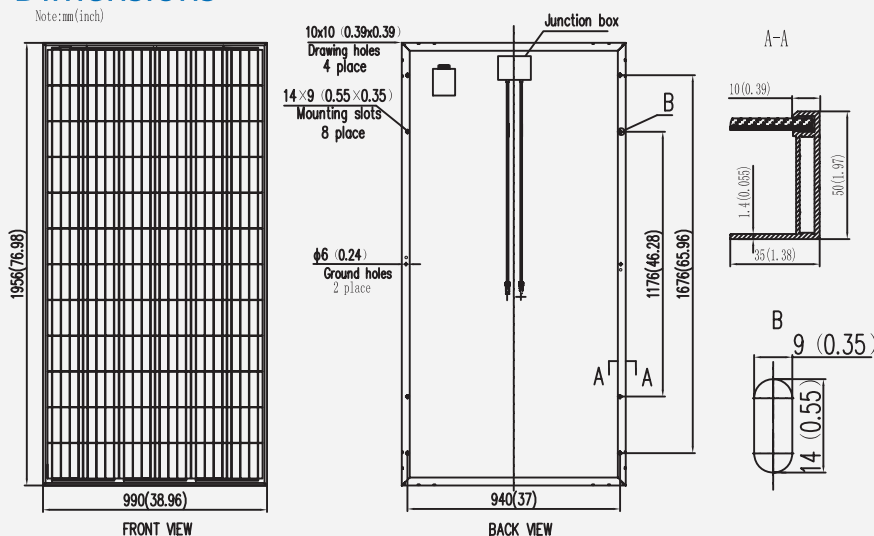
Dimensions (L×W×H)	2015×1140×1137mm
Container 20'	200
Container 40'	480
Container 40' HC	516

System Design

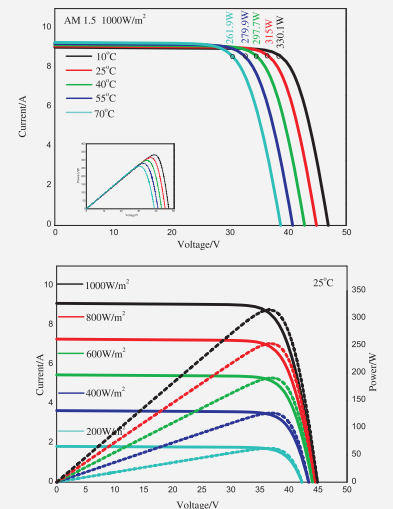
Temperature range	-40°C to +85°C
Hail	maximum diameter of 25mm with impact speed of 23m/s
Maximum surface load	5400Pa
Application class	class A
Safety class	class II

Dimensions

Note:mm (inch)



IV-Curves



Excellent performance under weak light condition.