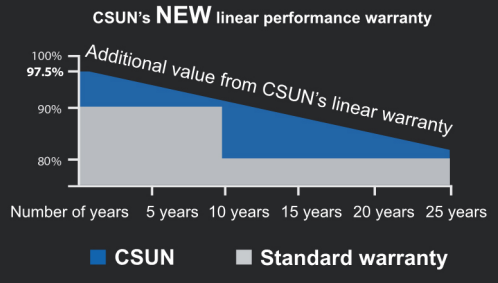
Poly

PowerGuard
SPECIALTY INSURANCE SERVICES

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.



Version 8/2017-ENG

CSUN
energy for today

CSUN330-72P

The Large Scale Project Solution

Module Fire Performance: Type 1(UL 1703)
Fire Resistance Rating: Class C(IEC 61730)

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

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 condition
- Good temperature coefficient enables better output in hot climates

- China Sunergy (Nanjing) 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 subjects to change without notice.

Electrical Characteristics at Standard Test Conditions (STC)

Module Type	CSUN 330-72P	CSUN 325-72P	CSUN 320-72P	CSUN 315-72P
Maximum Power - Pmpp (W)	330	325	320	315
Positive Power Tolerance	0～3%	0～3%	0～3%	0～3%
Open Circuit Voltage - Voc (V)	45.3	45.1	45	44.9
Short Circuit Current - Isc (A)	9.31	9.24	9.17	9.11
Maximum Power Voltage - Vmpp (V)	36.4	36.3	36.2	36.1
Maximum Power Current - Impp (A)	9.08	8.96	8.84	8.73
Module Efficiency	17.04%	16.78%	16.52%	16.27%

Standard test conditions (STC): irradiance 1000W/m²; AM 1.5G; cell temperature 25℃. Measuring uncertainty of power is within ±3%.
Certified in accordance with IEC 61215, IEC 61730-1/2 and UL 1703.

Electrical Characteristics at Nominal Operating Cell Temperature (NOCT)

Module Type	CSUN 330-72P	CSUN 325-72P	CSUN 320-72P	CSUN 315-72P
Maximum Power - Pmpp (W)	243	239	235	232
Maximum Power Voltage - Vmpp (V)	34.3	34.2	34.1	33.8
Maximum Power Current - Impp (A)	7.07	6.99	6.89	6.86
Open Circuit Voltage - Voc (V)	41.9	41.7	41.6	41.5
Short Circuit Current - Isc (A)	7.49	7.45	7.40	7.34

Nominal operating cell temperature (NOCT) : irradiance 800W/m²; wind speed 1 m/s; module temperature 45℃; ambient temperature 20℃.
Measuring uncertainty of power is within ±3%. Certified in accordance with IEC 61215, IEC 61730-1/2 and UL 1703.

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)	1500
Series Fuse Rating (A)	20
Reverse Current Overload (A)	27

Mechanical Characteristics

Dimensions（L*W*H）	1956 x 992 x 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	6*12 pieces polycrystalline solar cells series strings (156*156mm)
Junction Box	Rated current ≥ 12A, IP ≥ 65, TUV & UL
Cable	Length 900 mm, 1x4 mm²
Connector	Compatible with MC 4

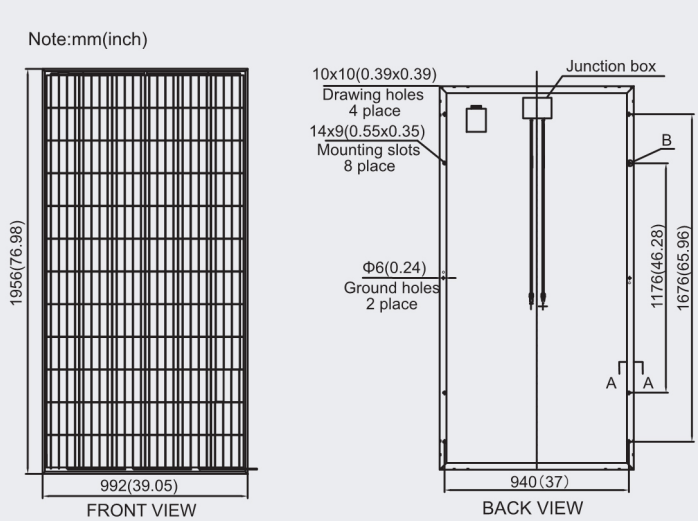
Packaging

Dimensions（L*W*H）	2015 x 1170 x 1137 mm
Container 20’	260 pcs
Container 40’HC	672 pcs

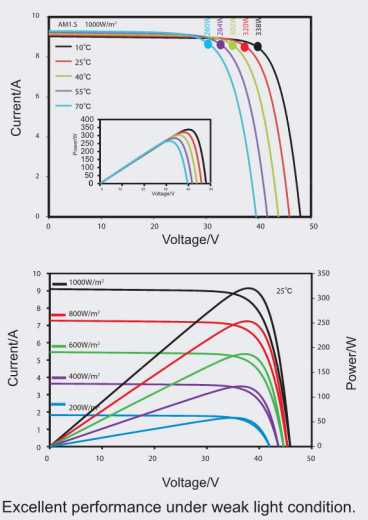
System Design

Temp. Range	-40℃ to + 85℃
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



IV-Curves



Excellent performance under weak light condition.