Poly

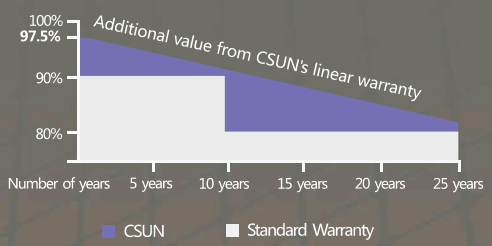
PowerGuard
SPECIALTY INSURANCE SERVICES

Powerguard Insurance Global Coverage

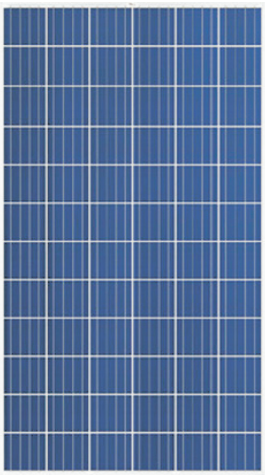
The power output shall not be less than 97.5%of the minimum power output stated in the product data sheet in the first year of the product's life cycle. The loss of power output shall not exceed 0.7% per year thereafter, ending with 80.7% in the 25th year.

CSUN Standard Warranty

CSUN's **NEW** linear performance warranty



CSUN®
energy for today



CSUN325-72P

The Large Scale Project Solution

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

18.55%
Module efficiency

325 W
Highest power output

10 years
Material & Workmanship warranty

25 years
Linear power output warranty

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

- China Sunergy Co., Ltd. designs, manufactures and delivers high efficient 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 word.

- 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.

www.csun-solar.com

Electrical Characteristics at Standard Test Conditions (STC)

Module Type	CSUN325-72P	CSUN320-72P	CSUN315-72P	CSUN310-72P
Maximum Power-Pmax(W)	325	320	315	310
Open circuit Voltage-Voc(V)	46.0	45.9	45.7	45.6
Short Circuit Current-Isc(A)	9.19	9.10	9.01	8.91
Maximum Power Voltage-Vmpp(V)	37.4	37.3	37.1	37.0
Maximum Power Current-Impp(A)	8.68	8.57	8.48	8.39
Module Efficiency	16.78%	16.53%	16.27%	16.01%

Standard Test Conditions [STC]: irradiance 1,000 W/m^2; AM 1,5G; module temperature 25°C. Measuring uncertainty of power is within ±3%.

Tolerance of Pmpp:0~+3%. Certified in accordance with IEC61215, IEC61730-1/2 and UL1703.

Electrical Characteristics at Nominal Operating Cell Temperature (NOCT)

Module Type	CSUN325-72P	CSUN320-72P	CSUN315-72P	CSUN310-72P
Maximum Power-Pmax(W)	241	237	233	229
Open circuit Voltage-Voc(V)	42.7	42.6	42.5	42.3
Short Circuit Current-Isc(A)	7.46	7.35	7.25	7.16
Maximum Power Voltage-Vmpp(V)	34.6	34.5	34.4	34.4
Maximum Power Current-Impp(A)	6.97	6.86	6.77	6.67

Nominal Operating Module Temperature(NOCT): irradiance 800W/m^2; 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 %/K
Current Temperature Coefficient	+0.045%/K
Power Temperature Coefficient	-0.408%/K
Normal Operating Cell Temperature	45℃ (±2℃)

Maximum Ratings

Maximum System Voltage (V)	1000
Series Fuse Rating (A)	15

Mechanical Characteristics

Dimensions	1956×990×50mm (L×W×H)
Weight	22.3kg
Frame	Anodized aluminum profile
Front Glass	White toughened safety glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite film
Cells	6×12 pieces polyocrystalline solar cells series strings (156mm×156mm)
Junction Box	Rated current≧13A, IP≧67, TUV&UL
Cable	Length 900 mm, 1×4 mm2 Model Number: PV-GZX156Q

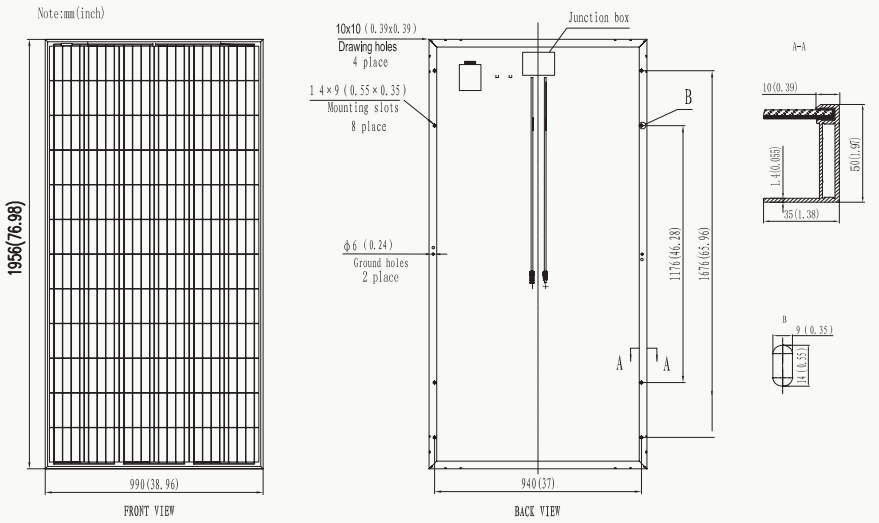
Packaging

Dimensions(L×W×H)	1990×1120×112
Container 20'	210
Container 40'	504
Container 40'HC	552

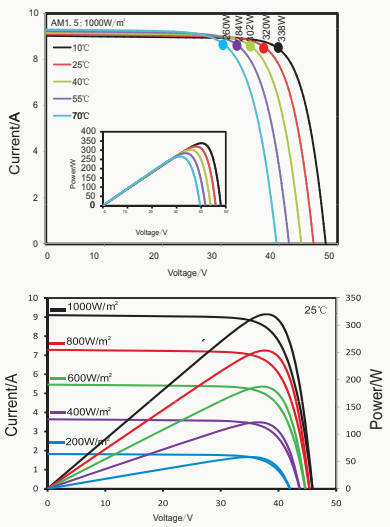
System Design

Temperature Range	– 40 °C to + 85 °C
Hail	Maximum diameter of 25 mm with impact speed of 23 m·s-1
Maximum Surfaceload	5400Pa
Application clas	Class A
Safety class	Class II

Dimensions



IV-Curves



CSUN Customer Service:
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