

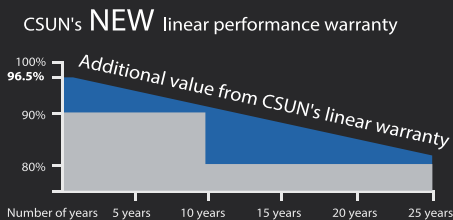
Mono



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



CSUN325-120M

High efficiency residential offer

Module Fire Performance: Type 1 (UL 1703)

Fire Resistance Rating: Class C (IEC 61730)

CSUN325-120M CSUN320-120M

CSUN315-120M CSUN310-120M

CSUN305-120M

19.50%

Module efficiency



Highest efficiency – perfect for rooftop projects

325 W

Highest power output



Positit tolerance offer

10 Year

Material & workmanship warranty



Tighter distribution and current sorting reduces power loss

25 Year

Linear power output warranty



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



Certificated to withstand wind and snow load



Excellent performance under weak light condition



Good temperature coefficient for better output in high temperature regions

- 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.



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Electrical Characteristics at Standard Test Conditions (STC)

Module Type	CSUN325-120M	CSUN320-120M	CSUN315-120M	CSUN310-120M	CSUN305-120M
Maximum Power - P _{mpp} (W)	325	320	315	310	305
Positive Power Tolerance	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%
Open Circuit Voltage - Voc (V)	40.56	40.22	39.93	39.61	39.32
Short Circuit Current - I _{sc} (A)	10.22	10.16	10.1	10.03	9.97
Maximum Power Voltage - V _{mpp} (V)	33.65	33.34	33.07	32.78	32.5
Maximum Power Current - I _{mpp} (A)	9.66	9.60	9.53	9.46	9.39
Module Efficiency	19.50%	19.20%	18.90%	18.60%	18.30%

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	CSUN325-120M	CSUN320-120M	CSUN315-120M	CSUN310-120M	CSUN305-120M
Maximum Power - P _{mpp} (W)	241	237	233	229	226
Maximum Power Voltage - V _{mpp} (V)	33.54	33.31	33.06	32.77	32.47
Maximum Power Current - I _{mpp} (A)	7.17	7.11	7.05	7.00	6.95
Open Circuit Voltage - Voc (V)	37.38	37.15	36.93	36.61	36.32
Short Circuit Current - I _{sc} (A)	8.20	8.14	8.08	8.02	7.98

Electrical data relates to nominal operating cell temperature (NOCT): irradiance 800 W/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	-0.30%/K
Current Temperature Coefficient	+0.066%/K
Power Temperature Coefficient	-0.36%/K

Maximum Ratings

Maximum System Voltage (V)	1000
Series Fuse Rating (A)	25
Reverse Current Overload (A)	25

Mechanical Characteristics

Dimensions	1665×992×35 mm – frame thickness upon request
Weight	18.5kg
Frame	Anodized aluminum profile – black frame upon request
Front Glass	Toughened low iron glass,3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite film – black back sheet upon request
Cells	12 × 10 monocrystalline solar semi-cells
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

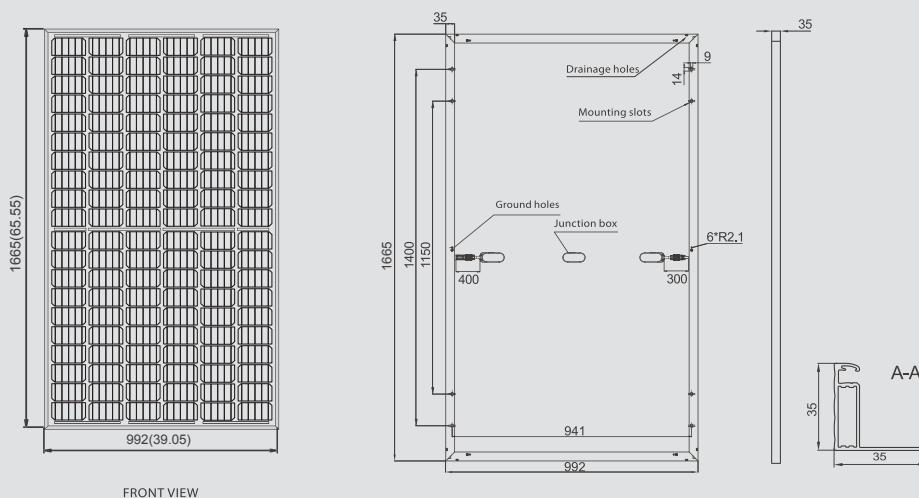
Container 20'	360 pcs.
Container 40'	840 pcs.
Container 40'HC	910 pcs.

System Design

Temp. Range	-40°F to +185°F (-40°C to +85°C)
Hail	Max. diameter of 0.98" (25mm) with impact speed of 51.2mph (23m/s)
Max. Capacity	Wind 2400Pa, snow 5400Pa – 7200Pa upon request
Application Class	A
Safety Class	II

Dimensions

Note: mm (inch)



IV-Curves

