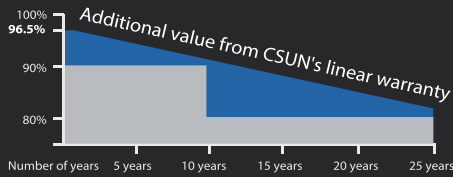


Mars series

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 325-120M

High efficiency PERC tech for esthetic applications

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

325 W

Highest power output

10 Year

Material & workmanship warranty

25 Year

Linear power output warranty



Industry leading conversion efficiency



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



Positive tolerance offer



Excellent performance under weak light condition



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



Good temperature coefficient enables better output in hot climates



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All information and data are subject to change without notice and are provided without liability.



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

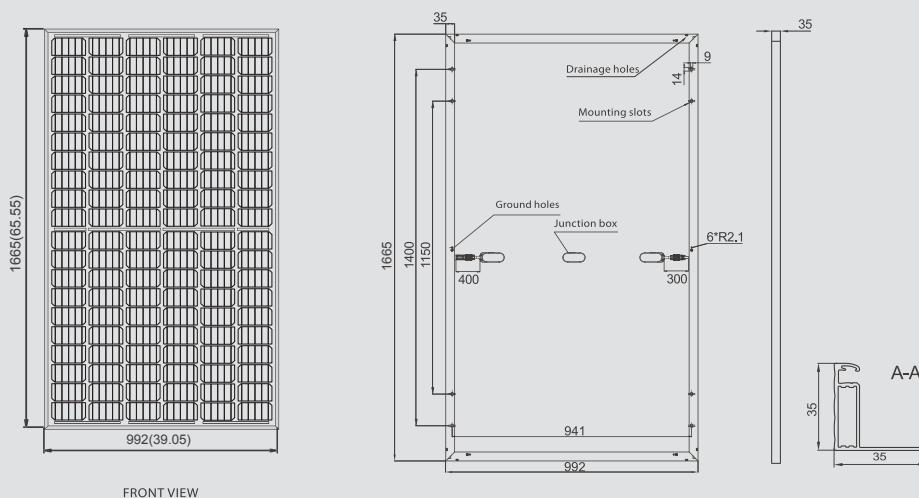
Container 20'	360 pcs.
Container 40'	840 pcs.
Container 40'HC	910 pcs.

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

