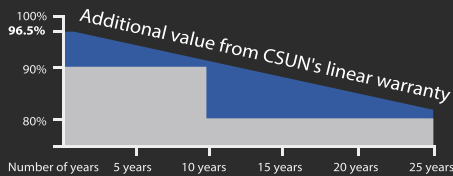


Mars series

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 390-144M

High efficiency PERC tech for esthetic applications

Module Fire Performance: Type 1 (UL 1703)

Fire Resistance Rating: Class C (IEC 61730)

CSUN390-144M

CSUN385-144M

CSUN380-144M

CSUN375-144M

CSUN370-144M

19.70%

Module efficiency

390 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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Electrical Characteristics at Standard Test Conditions (STC)

Module Type	CSUN390-144M	CSUN385-144M	CSUN380-144M	CSUN375-144M	CSUN370-144M
Maximum Power - P _{mpp} (W)	390	385	380	375	370
Positive Power Tolerance	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%
Open Circuit Voltage - Voc (V)	48.61	48.32	48.05	47.78	47.56
Short Circuit Current - I _{sc} (A)	10.21	10.15	10.09	10.03	9.97
Maximum Power Voltage - V _{mpp} (V)	40.34	40.07	39.8	39.58	39.36
Maximum Power Current - I _{mpp} (A)	9.67	9.61	9.55	9.48	9.41
Module Efficiency	19.70%	19.40%	19.20%	18.90%	18.70%

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	CSUN390-144M	CSUN385-144M	CSUN380-144M	CSUN375-144M	CSUN370-144M
Maximum Power - P _{mpp} (W)	289	285	281	278	274
Maximum Power Voltage - V _{mpp} (V)	37.29	37.05	36.81	36.59	36.37
Maximum Power Current - I _{mpp} (A)	7.74	7.69	7.64	7.58	7.53
Open Circuit Voltage - Voc (V)	45.04	44.8	44.51	44.28	44.06
Short Circuit Current - I _{sc} (A)	8.18	8.13	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)	1000/1500
Series Fuse Rating (A)	20
Reverse Current Overload (A)	25

Mechanical Characteristics

Dimensions	2015x1001x40mm
Weight	22.5kg
Frame	Anodized aluminum profile
Front Glass	Toughened low iron glass, 3.2mm
Cell Encapsulation	EVA(Ethylene-vinyl-Acetate)
Back Sheet	Composite film
Cells	6x24 monocrystalline solar semi-cells
Junction Box	Rated current≥13A,IP≥67 · TUV&UL
Cable	300mm(+),400mm(-), 1x4 mm ²
Connector	MC 4/compatible with MC 4

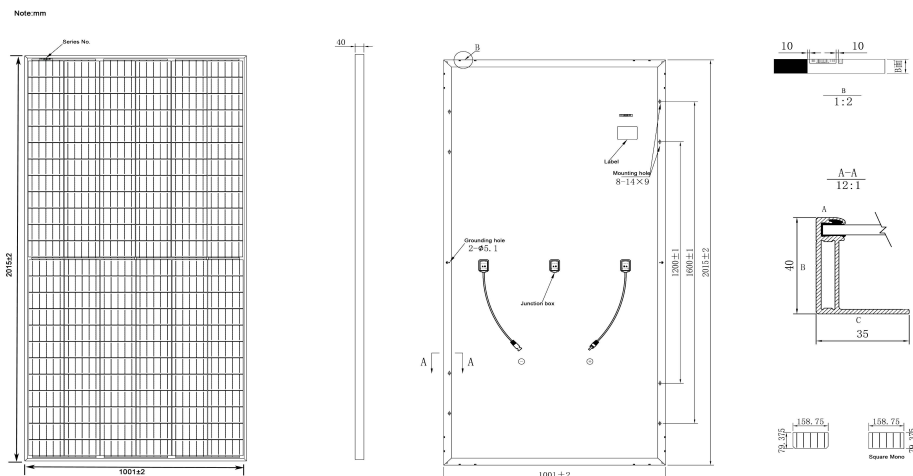
Packaging

Container 20'	270 pcs.
Container 40'	594 pcs.
Container 40'HC	660 pcs.

System Design

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

Dimensions



IV-Curves

