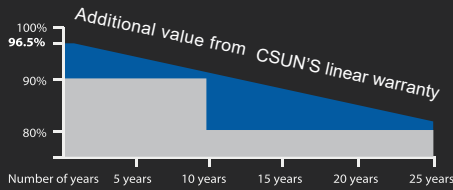


Mars Series Half cell Modules

The power output shall not be less than 96.5% 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 80.18% in the 25th year.

■ CSUN ■ Standard warranty

CSUN's NEW linear performance warranty



CSUN-120M

High efficiency PERC tech for esthetic applications

Module Fire Performance: Type 1 (UL 1703)

Fire Resistance Rating: Class C (IEC 61730)

CSUN380-120M

CSUN370-120M

CSUN360-120M

CSUN375-120M

CSUN365-120M

20.90%

Module efficiency

390W

Highest power output

10 Year

Material & workmanship warranty

25 Year

Linear power output warranty



Industry leading conversion efficiency



Certified 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

Munich RE

Munich Re providing Re in surance



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Version 01/2020

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

Electrical Characteristics at Standard Test Conditions (STC)

Module Type	CSUN360-120M	CSUN365-120M	CSUN370-120M	CSUN375-120M	CSUN380-120M
Maximum Power - P _{mpp} (W)	360	365	370	375	380
Positive Power Tolerance	0~5W	0~5W	0~5W	0~5W	0~5W
Open Circuit Voltage - Voc (V)	40.10	40.30	40.50	40.70	40.90
Short Circuit Current - I _{sc} (A)	11.35	11.44	11.52	11.60	11.69
Maximum Power Voltage - V _{mpp} (V)	34.00	34.20	34.40	34.60	34.80
Maximum Power Current - I _{mpp} (A)	10.59	10.68	10.76	10.84	10.92
Module Efficiency	19.8%	20.00%	20.30%	20.60%	20.90%

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	CSUN360-120M	CSUN365-120M	CSUN370-120M	CSUN375-120M	CSUN380-120M
Maximum Power - P _{mpp} (W)	266.7	270.4	274.1	277.8	281.5
Open Circuit Voltage - Voc(V)	37.40	37.60	37.80	38.00	38.20
Short Circuit Current - I _{sc} (A)	9.15	9.22	9.29	9.35	9.42
Maximum Power Voltage - V _{mpp} (V)	31.40	31.60	31.80	32.00	32.10
Maximum Power Current - I _{mpp} (A)	8.49	8.56	8.63	8.69	8.76

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	-0.286%/C
Current Temperature Coefficient	+0.057%/C
Power Temperature Coefficient	-0.370%/C

Maximum Ratings

Maximum System Voltage (V)	1000V&1500V
Series Fuse Rating (A)	25
Reverse Current Overload(A)	25

Mechanical Characteristics

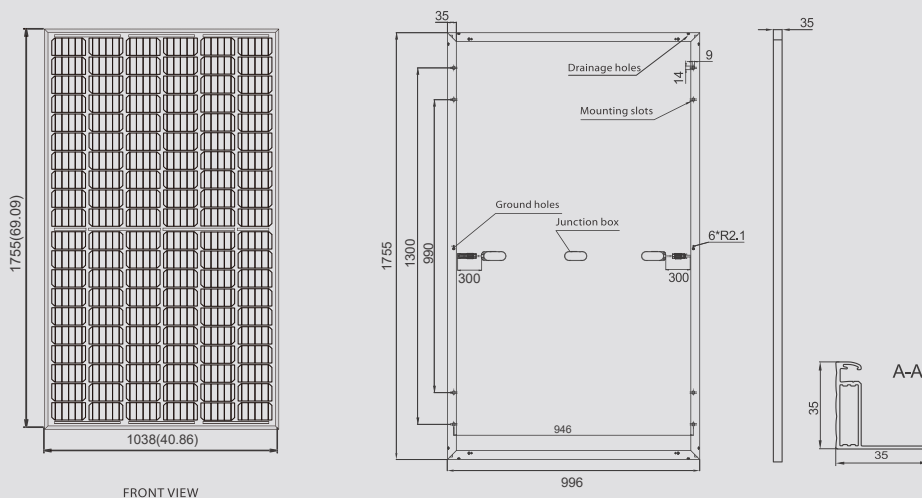
Dimensions	1755x1038x35mm, frame thickness upon request
Weight	19.5kg
Frame	Anodized aluminum profile – black frame upon request
Front Glass	Toughened low iron glass,3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite film – black back sheet upon request
Cells	6x10x2 monocrystalline solar semi-cells
Junction Box	Rated current ≥ 12A, IP ≥ 65, TUV & UL
Cable	Length 300mm, 1x4mm ²
Connector	MC 4/ compatible with MC 4

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

