

# Mono



# CSUN 395-72M

High efficiency PERC tech for esthetic applications

Module Fire Performance: Type 1 (UL 1703)

Fire Resistance Rating: Class C (IEC 61730)

CSUN395-72M

CSUN390-72M

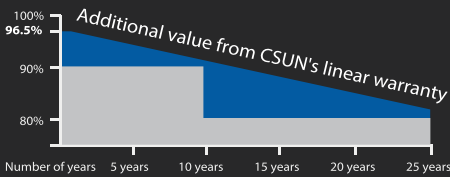
CSUN385-72M

CSUN380-72M

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



20.0%  
Module efficiency

395 W  
Highest power output

10 years  
Material & workmanship warranty

25 years  
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

Munich RE  
Munich RE providing Reinsurance



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## Electrical Characteristics at Standard Test Conditions (STC)

Module Type	CSUN 395-72M	CSUN 390-72M	CSUN 385-72M	CSUN 380-72M
Maximum Power - P <sub>mpp</sub> (W)	395	390	385	380
Positive Power Tolerance	0~3%	0~3%	0~3%	0~3%
Open Circuit Voltage - Voc (V)	49.64	49.35	49.04	48.75
Short Circuit Current - I <sub>sc</sub> (A)	10.27	10.22	10.17	10.12
Maximum Power Voltage - V <sub>mpp</sub> (V)	40.48	40.21	39.90	39.59
Maximum Power Current - I <sub>mp</sub> (A)	9.76	9.70	9.65	9.60
Module Efficiency	20.0%	19.80%	19.50%	19.30%

Electrical data relates to standard test conditions (STC) : irradiance 1000W/m<sup>2</sup> ; 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 Normal Operating Cell Temperature (NOCT)

Module Type	CSUN 395-72M	CSUN 390-72M	CSUN 385-72M	CSUN 380-72M
Maximum Power - P <sub>mpp</sub> (W)	292	289	285	281
Open Circuit Voltage - Voc (V)	47.09	46.78	46.47	46.15
Short Circuit Current - I <sub>sc</sub> (A)	8.11	8.07	8.03	7.99
Maximum Power Voltage - V <sub>mpp</sub> (V)	38.21	37.92	37.64	37.34
Maximum Power Current - I <sub>mp</sub> (A)	7.65	7.61	7.57	7.53

Electrical data relates to normal operating cell temperature (NOCT): irradiance 800 W/m<sup>2</sup> ; 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	-0,307%/C
Current Temperature Coefficient	+0,039%/C
Power Temperature Coefficient	-0,423%/C

## Maximum Ratings

Maximum System Voltage (V)	1000&1500
Series Fuse Rating (A)	20
Reverse Current Overload (A)	27

## Mechanical Characteristics

Dimensions	1956 × 992 × 40 mm
Weight	22 kg
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 monocrystalline solar cells ( 5 BB 158.75 × 158.75 mm)
Junction Box	With 6 bypass diodes, rated current ≥13 A, IP ≥67 , TUV & UL
Cable	Length 900 mm, 1 × 4 mm <sup>2</sup>
Connector	Compatible with MC4

## Packaging

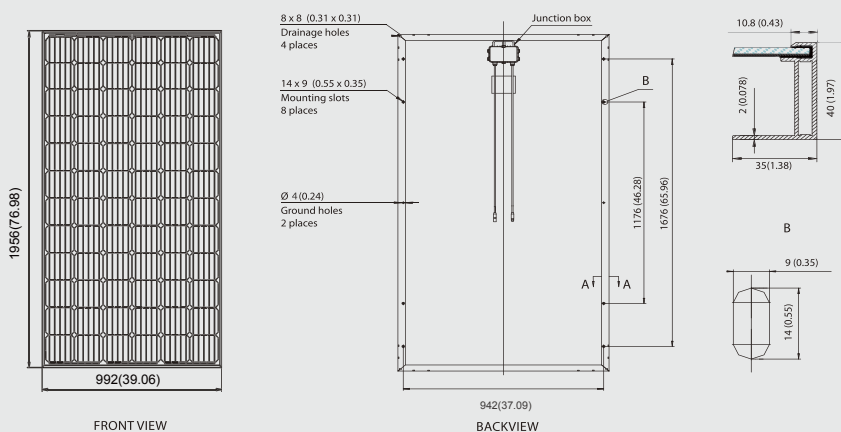
Container 20'	270 pcs.
Container 40'	648 pcs.
Container 40'HC	696 pcs.

## System Design

Temp. Range	-40°C to +85°C
Hail	Max. diameter of 25mm with impact speed of 23m/s
Max. Capacity	Snow 5400 Pa, wind 2400 Pa
Application Class	A
Safety Class	II

## Dimensions

Note: mm (inch)



## IV-Curves

