

# MONO



## CSUN380-72MH

High efficiency PERC technology for esthetic applications

CSUN380-72MH  
CSUN370-72MH  
CSUN360-72MH

CSUN375-72MH  
CSUN365-72MH

Munich RE   
Munich RE Insurance  
Global Coverage

### 19.62%

Module efficiency

### 380W

Highest power output

### 10years

Material & Workmanship warranty

### 25years

Liner power output warranty



PID-free



World class mono efficiency



Tighter product performance distribution and current sorting reduces the mismatch power loss in system operation



Positive tolerance offer



Good temperature coefficient enables higher output in high temperature regions



Excellent performance under low light conditions



Certified for salt/ammonia corrosion resistance



Load certificates: wind to 2400Pa and snow to 5400Pa

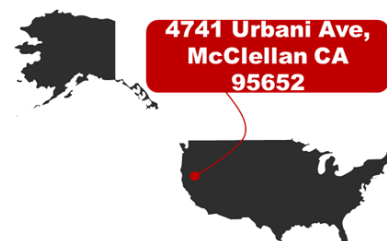
- CSUN designs, manufactures and delivers high efficient solar cells and modules to the world from its production centers based in China, USA, Turkey, South Korea and Vietnam.
- Founded in 2004, CSUN is well known for its advanced solar cell technology, reliable product quality, and excellent customer service.
- As one of leading PV enterprises, CSUN has delivered more than 8 GW of solar products to residential, commercial, utility and off-grid projects all around the world.



The power output shall not be less than 97% 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 0.68% per year thereafter, ending with 80.68% in the 25th year.



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## Electrical Characteristics at Standard Test Conditions(STC)

Module Type	CSUN380-72MH	CSUN375-72MH	CSUN370-72MH	CSUN365-72MH	CSUN360-72MH
Maximum Power - Pmax (W)	380	375	370	365	360
Open Circuit Voltage - Voc (V)	47.8	47.6	47.5	47.4	47.3
Short Circuit Current - Isc (A)	10.07	9.98	9.9	9.79	9.67
Maximum Power Voltage - Vmpp (V)	39.3	39.1	38.9	38.8	38.6
Maximum Power Current - Imp (A)	9.67	9.59	9.52	9.41	9.33
Module Efficiency	19.62%	19.37%	19.11%	18.85%	18.59%

Standard Test Conditions (STC): irradiance 1,000 W/m<sup>2</sup>; AM 1.5; module temperature 25°C. Tolerance of Pmp: 0~+3%.

Measuring uncertainty of power: ±3%.

## Electrical Characteristics at Normal Operating Cell Temperature(NOCT)

Module Type	CSUN380-72MH	CSUN375-72MH	CSUN370-72MH	CSUN365-72MH	CSUN360-72MH
Maximum Power - Pmax (W)	281	277.4	274.1	270.3	267
Open Circuit Voltage - Voc (V)	44.2	44	43.9	43.8	43.7
Short Circuit Current - Isc (A)	8.14	8.06	8	7.91	7.81
Maximum Power Voltage - Vmpp (V)	36.6	36.5	36.3	36.2	36.2
Maximum Power Current - Imp (A)	7.68	7.61	7.54	7.46	7.37

Normal Operating Cell Temperature( NOCT) : irradiance 800W/m<sup>2</sup>; wind speed 1 m/s ; cell temperature 45°C; ambient temperature 20°C.

Measuring uncertainty of power: ±3%.

## Temperature Characteristics

NOTC	45°C ( ±2°C )	Maximum System Voltage [V]	1500
Voltage Temperature Coefficient	-0.29%/K	Series Fuse Rating [A]	20
Current Temperature Coefficient	+0.05%/K		
Power Temperature Coefficient	-0.39%/K		

## Maximum Ratings

## Material Characteristics

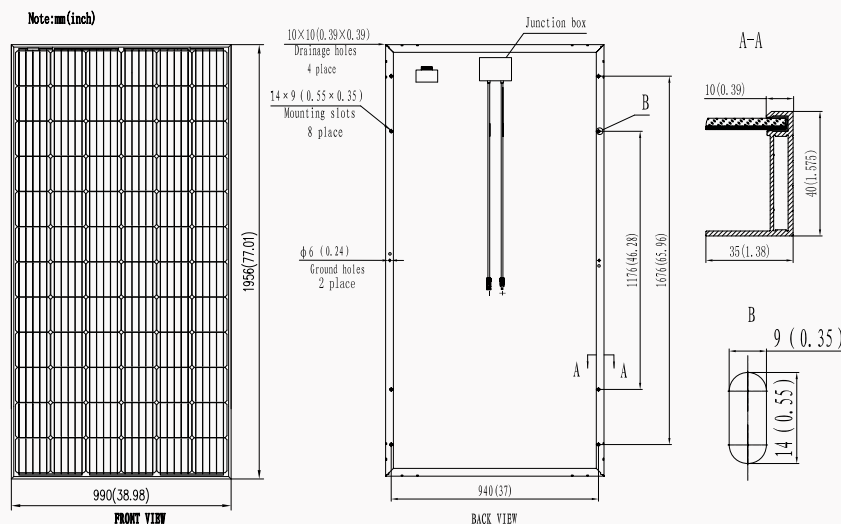
Dimensions	1956×990×40mm (L×W×H)
Weight	22.0kg
Frame	Anodized aluminum profile
Front Glass	White toughened safety glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite film
Cells	6×12 pieces monocrystalline solar cells series strings (156.75mm×156.75mm)
Junction Box	Rated current≥13A, IP≥67, TUV&UL
Cable&Connector	Length 1200 mm, 1×4 mm <sup>2</sup> , compatible with MC4

## Packaging

Dimensions(L×W×H)	1980×1140×1120mm	Temperature Range	-40 °C to + 85 °C
Container20'	270	Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 ms-1
Container40'	648	Maximum Surface Load	5,400 Pa
Container40'HC	708	Application class	class A

## System Design

## Dimensions



## IV-Curves

