

# MONO



## CSUN390-72MM5BB

CSUN390-72MM5BB CSUN385-72MM5BB  
 CSUN380-72MM5BB CSUN375-72MM5BB

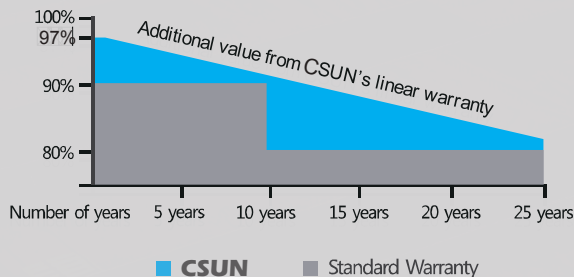
**19.64%**  
 Module efficiency

**390W**  
 Highest power output

**10 years**  
 Material & Workmanship warranty

**25 years**  
 Linear 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



Sunergy California LLC is a CSUN-brand-licensed manufacturer in USA.

As one of the leading PV enterprises, CSUN has delivered more than 8GW of solar products to residential, commercial, utility and off-grid projects all around the world.



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## Electrical Characteristics at Standard Test Conditions(STC)

Module Type	CSUN390-72MM5BB	CSUN385-72MM5BB	CSUN380-72MM5BB	CSUN375-72MM5BB
Maximum Power - Pmax (W)	390	385	380	375
Open Circuit Voltage - Voc (V)	48.9	48.7	48.5	48.3
Short Circuit Current - Isc (A)	10.18	10.09	10.01	9.92
Maximum Power Voltage - Vmpp (V)	40.4	40.2	40	39.8
Maximum Power Current - Impp (A)	9.66	9.58	9.51	9.43
Module Efficiency	19.64%	19.39%	19.13%	18.88%

Standard Test Conditions (STC): irradiance 1,000 W/m<sup>2</sup>; AM 1.5; module temperature 25°C. Pmax Sorting : 0~5W. Power Tolerance: ±3%.

Remark: Electrical data do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

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

Module Type	CSUN390-72MM5BB	CSUN385-72MM5BB	CSUN380-72MM5BB	CSUN375-72MM5BB
Maximum Power - Pmax (W)	288.3	284.5	281	277.3
Open Circuit Voltage - Voc (V)	45.2	45	44.8	44.6
Short Circuit Current - Isc (A)	8.23	8.15	8.09	8.02
Maximum Power Voltage - Vmpp (V)	37.2	37.1	36.9	36.8
Maximum Power Current - Impp (A)	7.74	7.67	7.61	7.54

Normal Operating Cell Temperature((NOCT): irradiance 800W/m<sup>2</sup>; wind speed 1m/s; ambient temperature 20°C. Measuring Tolerance: ±3%.

## Temperature Characteristics

NOCT	45/°C ( ±2/°C )	Maximum System Voltage [V]	1000
Voltage Temperature Coefficient	-0.29%/°C	Series Fuse Rating [A]	20
Current Temperature Coefficient	+0.05%/°C		
Power Temperature Coefficient	-0.39%/°C		

## Maximum Ratings

## Material Characteristics

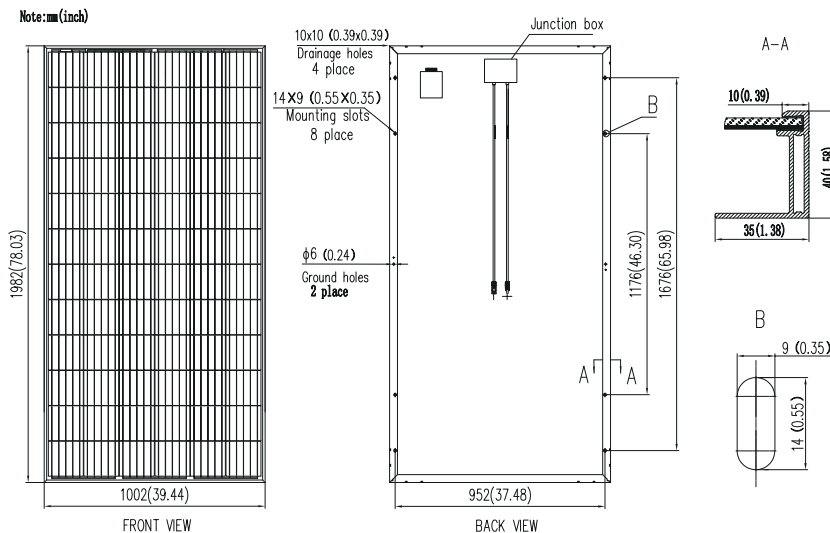
Dimensions (L×W×H)	1982×1002×40 mm
Weight	22.4 kg
Frame	Black anodized aluminum
Front Glass	White, tempered safety glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back sheet	Composite film
Cells	6×12 pieces monocrystalline solar cells series strings
Junction Box	IP≥67, 3 diodes
Cable&Connector	Length 1200 mm, 1×4 mm <sup>2</sup> , compatible with MC4

## Packaging

Dimensions (L×W×H)	2010×1130×1132 mm	Temperature Range	-40°C to + 85°C
Container 20'	270	Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23m-s-1
Container 40'	594	Maximum Surface Load	5,400 Pa
Container 40' H C	649	Application Class	Type 1

## System Design

## Dimensions



## IV-Curves

