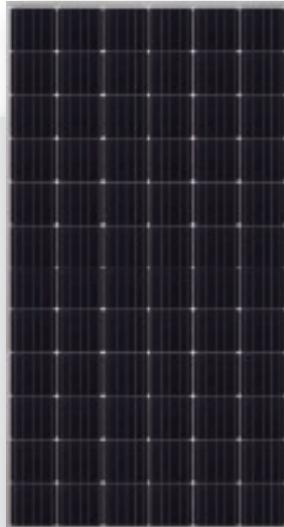




MONO



CSUN410-72MH

The Large Scale Project Solution

CSUN410-72MH CSUN405-72MH
CSUN400-72MH CSUN395-72MH
CSUN390-72MH CSUN385-72MH

21.17%

Module efficiency

410W

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



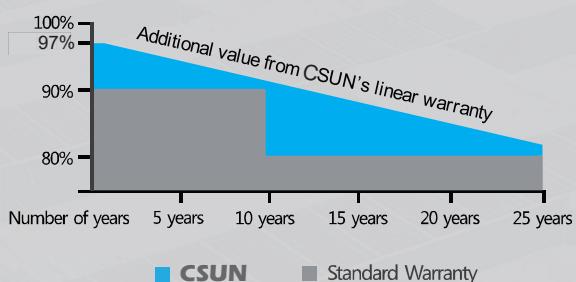
Excellent performance under low light conditions



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.



Electrical Characteristics at Standard Test Conditions(STC)

| Module Type | CSUN410-72MH | CSUN405-72MH | CSUN400-72MH | CSUN395-72MH | CSUN390-72MH | CSUN385-72MH |
|----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Maximum Power - Pmax (W) | 410 | 405 | 400 | 395 | 390 | 385 |
| Open Circuit Voltage - Voc (V) | 48.9 | 48.7 | 48.5 | 48.3 | 48.1 | 47.9 |
| Short Circuit Current - Isc (A) | 10.52 | 10.44 | 10.36 | 10.29 | 10.21 | 10.14 |
| Maximum Power Voltage - Vmpp (V) | 40.5 | 40.3 | 40.1 | 39.9 | 39.7 | 39.5 |
| Maximum Power Current - Impp (A) | 10.13 | 10.05 | 9.98 | 9.91 | 9.83 | 9.75 |
| Module Efficiency | 21.17% | 20.91% | 20.66% | 20.40% | 20.14% | 19.88% |

Standard Test Conditions (STC): irradiance 1,000 W/m²; AM 1.5; module temperature 25°C. Tolerance of Pmpp: 0~+3%.

Measuring uncertainty of power: ±3%.

Electrical Characteristics at Normal Operating Cell Temperature(NOCT)

| Module Type | CSUN410-72MH | CSUN405-72M | CSUN400-72MH | CSUN395-72MH | CSUN390-72MH | CSUN385-72MH |
|----------------------------------|--------------|-------------|--------------|--------------|--------------|--------------|
| Maximum Power - Pmax (W) | 303 | 299 | 296 | 292 | 288 | 285 |
| Open Circuit Voltage - Voc (V) | 45.1 | 45 | 44.8 | 44.6 | 44.4 | 44.3 |
| Short Circuit Current - Isc (A) | 8.5 | 8.43 | 8.37 | 8.31 | 8.25 | 8.19 |
| Maximum Power Voltage - Vmpp (V) | 37.8 | 37.6 | 37.4 | 37.2 | 37.1 | 36.8 |
| Maximum Power Current - Impp (A) | 8.02 | 7.96 | 7.9 | 7.85 | 7.78 | 7.73 |

Normal Operating Cell Temperature(NOCT) : irradiance 800W/m²; wind speed 1 m/s ; cell temperature 45°C; ambient temperature 20°C.

Measuring uncertainty of power: ±3%.

Temperature Characteristics

| | | | |
|---------------------------------|-------------|----------------------------|------|
| NOCT | 45°C (±2°C) | Maximum System Voltage [V] | 1500 |
| Voltage Temperature Coefficient | -0.307%/K | Series Fuse Rating [A] | 20 |
| Current Temperature Coefficient | +0.039%/K | | |
| Power Temperature Coefficient | -0.423%/K | | |

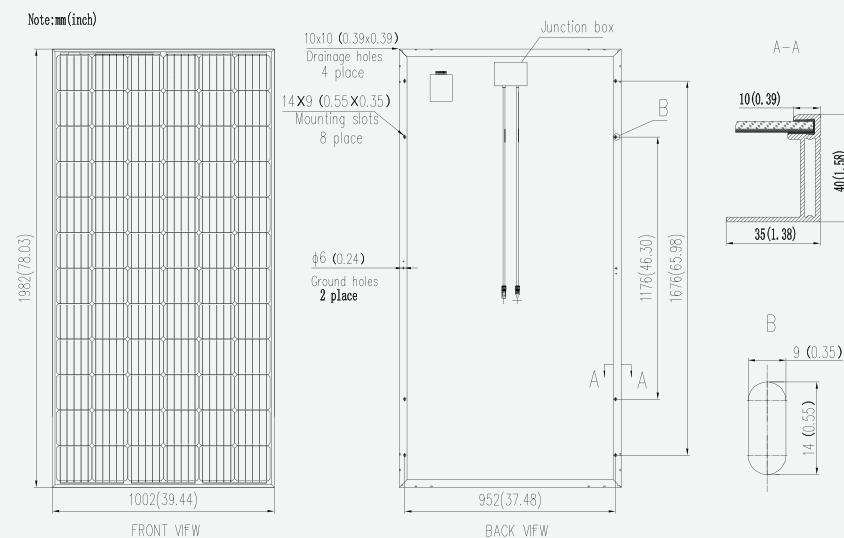
Material Characteristics

| | |
|--------------------|--|
| Dimensions | 1982×1002×40mm(L×W×H) |
| Weight | 22.4kg |
| 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 (158.75mm×158.75mm) |
| Junction Box | Rated current≥13A, IP≥67, TUV&UL |
| Cable&Connector | Length 1200 mm, 1×4 mm ² , compatible with MC4 |

Packaging

| | | | |
|-------------------|------------------|----------------------|---|
| Dimensions(L×W×H) | 2010×1130×1120mm | Temperature Range | -40 °C to + 85 °C |
| Container20' | 270 | Withstanding Hail | Maximum diameter of 25 mm with impact speed of 23 m·s ⁻¹ |
| Container40' | 648 | Maximum Surface Load | 5,400 Pa |
| Container40'HC | 708 | Application class | Class A |

Dimensions



IV-Curves

