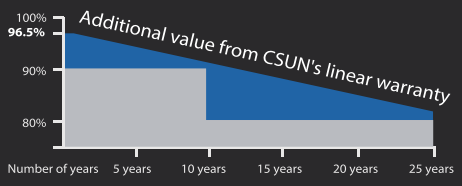
Mono

Munich RE

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 390-72M

High efficiency PERC tech for esthetic applications

Module Fire Performance:Type 1 (UL 1703)
Fire Resistance Rating:Class C (IEC 61730)

CSUN 390-72M CSUN 385-72M
CSUN 380-72M CSUN 375-72M

19.66%
Module efficiency

370 W
Highest power output

10 years
Material & workmanship warranty

25 years
Linear power output warranty

- Industry leading conversion efficiency
- Positive tolerance offer
- Passed salt mist & ammonia corrosion, blowing sand and hail testing
- Certificated to withstand wind (2400 Pa) and snow load (5400 Pa)
- Excellent performance under weak light condition
- Good temperature coefficient enables better output in hot climates

- China Sunergy Co., Ltd. designs, manufactures and delivers high efficiency solar cells and modules to the world from its production centers based in China, USA and Vietnam.
- Founded in 2004, China Sunergy is well known for its advanced solar cell technology, reliable product quality, and excellent customer service.
- As one of leading PV enterprises, China Sunergy has delivered more than 8.0GW of solar products to residential, commercial, utility and off-grid projects all around the world.

All information and data are subject to change without notice.

Electrical Characteristics at Standard Test Conditions (STC)

Module Type	CSUN 390-72M	CSUN 385-72M	CSUN 380-72M	CSUN 375-72M
Maximum Power - Pmpp (W)	390	385	380	375
Positive Power Tolerance	0~3%	0~3%	0~3%	0~3%
Open Circuit Voltage - Voc (V)	49.3	49.1	48.9	48.7
Short Circuit Current - Isc (A)	10.12	9.92	9.75	9.6
Maximum Power Voltage - Vmpp (V)	41.1	40.8	40.5	40.2
Maximum Power Current - Impp (A)	9.55	9.44	9.39	9.33
Module Efficiency	19.66%	19.41%	19.15%	18.90%

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 Normal Operating Cell Temperature (NOCT)

Module Type	CSUN 390-72M	CSUN 385-72M	CSUN 380-72M	CSUN 375-72M
Maximum Power - Pmpp (W)	294	290	286	283
Maximum Power Voltage - Vmpp (V)	39.1	38.8	38.6	38.4
Maximum Power Current - Impp (A)	7.54	7.48	7.42	7.36
Open Circuit Voltage - Voc (V)	48.0	47.7	47.5	47.3
Short Circuit Current - Isc (A)	8.02	7.95	7.88	7.81

Electrical data relates to normal 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	-0.300%/K
Current Temperature Coefficient	0.060%/K
Power Temperature Coefficient	-0.390%/K

Maximum Ratings

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

Mechanical Characteristics

Dimensions	1956x992x40mm
Weight	22.3 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	6x12 mono-crystalline solar cells
Junction Box	With 6 bypass diodes, rated current ≥13 A, IP ≥67 , TUV & UL
Cable	Length 900 mm, 1 × 4 mm²
Connector	Compatiable with MC4

Packaging

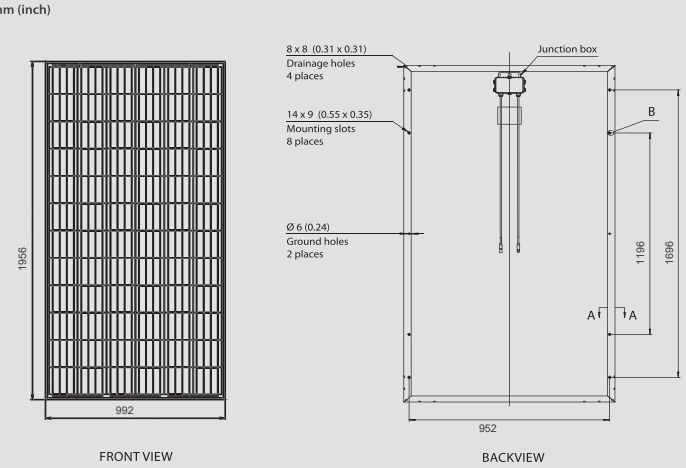
Container 20'	260 pcs.
Container 40'	572 pcs.
Container 40'HC	627 pcs.

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)



FRONT VIEW

BACKVIEW

IV-Curves