



## Electrical characteristics at Standard Test Conditions(STC)

Module Type	CSUN310-60M	CSUN305-60M	CSUN300-60M	CSUN295-60M	CSUN290-60M
Maximum Power - Pmax (W)	310	305	300	295	290
Open Circuit Voltage - Voc (V)	40.0	39.9	39.8	39.6	39.5
Short Circuit Current - Isc (A)	9.81	9.72	9.6	9.54	9.47
Maximum Power Voltage - Vmpp (V)	32.6	32.4	32.2	32	31.9
Maximum Power Current - Impp (A)	9.52	9.42	9.31	9.22	9.1
Module Efficiency	19.09	18.78%	18.48%	18.17%	17.86%

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

Measuring uncertainty of power: ±3%. Certified in accordance with IEC 61215, IEC 61730-1/2 and UL 1703.

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

Module Type	CSUN310-60M	CSUN305-60M	CSUN300-60M	CSUN295-60M	CSUN290-60M
Maximum Power - Pmax (W)	233	229	225	220	216
Open Circuit Voltage - Voc (V)	37.5	37.4	37.3	37	36.9
Short Circuit Current - Isc (A)	7.95	7.84	7.74	7.69	7.64
Maximum Power Voltage - Vmpp (V)	31.3	31.1	30.9	30.6	30.3
Maximum Power Current - Impp (A)	7.47	7.38	7.28	7.22	7.14

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%. Certified in accordance with IEC 61215, IEC 61730-1/2 and UL 1703.

## Temperature Characteristics

NOTC	45°C ( ±2°C )	Maximum System Voltage [V]	1000
Voltage Temperature Coefficient	-0.29%/K	Series Fuse Rating [A]	15
Current Temperature Coefficient	+0.05%/K		
Power Temperature Coefficient	-0.39%/K		

## Maximum Ratings

## Material Characteristics

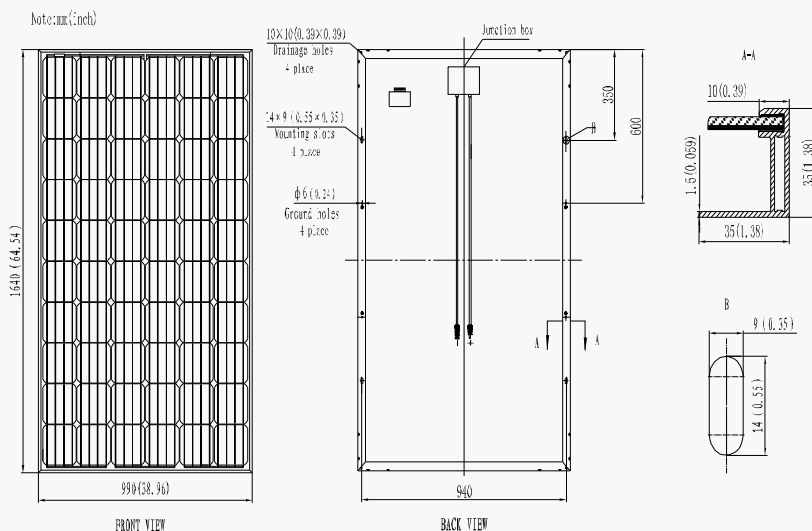
Dimensions	1640×990×35mm (L×W×H)
Weight	18.3kg
Frame	Anodized aluminum profile
Front Glass	White toughened safety glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite film
Cells	6×10 pieces monocrystalline solar cells series strings (156mm×156mm)
Junction Box	Rated current≥13A, IP≥67, TUV&UL
Cable&Connector	Length 900 mm, 1×4 mm <sup>2</sup> , compatible with MC4, Model Number: PV-GZX156Q

## Packaging

Dimensions(L×W×H)	1690×1120×112mm	Temperature Range	-40 °C to + 85 °C
Container20'	360	Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m·s <sup>-1</sup>
Container40'	840	Maximum Surface Load	5,400 Pa
Container40'HC	910	Application class	class A
		Safety class	class II

## System Design

## Dimensions



## IV-Curves

