



# Shanghai Solar Energy S&T Co.,Ltd.

## About Shanghai Solar Energy S&T Co.,Ltd.

Officially registered in January 2000, Shanghai Solar Energy S&T Co.,Ltd.  
The company has built more than 300 photovoltaic power stations

## Space Photovoltaic Industry Chain

As an important unit of Space photovoltaic industry chain,  
relying on aerospace technology advantage.

## Competitive Strength

SSEC has abundant experience in photovoltaic production  
It has researched and developed large area high-power BIPV modules.

## Features

- Unique design of the aluminum alloy frame
  - Complete & Compact seal design
  - High light transmission glass
- These details to ensure the high quality of our products.

## Corporate Culture

Integrity , Innovation , Harmony.

## Warranties

- 5-year limited product warranty\*
- Limited power warranty\*: 10 years at 90% of the nominal rated power output, 25 years at 80% of the nominal rated power output

## Qualifications and Certificates

IEC 61215 Edition 2, IEC 61730 Class A, CE, ISO 9001,ISO14000,ISO18001

\*Design and specifications are subject to change without notice.

Add: No.555 Shen NanRoad, Xin Zhuang Industrial Zone, Shanghai, P.R. China, 201108

Tel: 86-21-64895099 Fax: 86-21-64898715

http: //www.ssec-solar.com E-mail: webmaster@ssec-solar.com



- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection

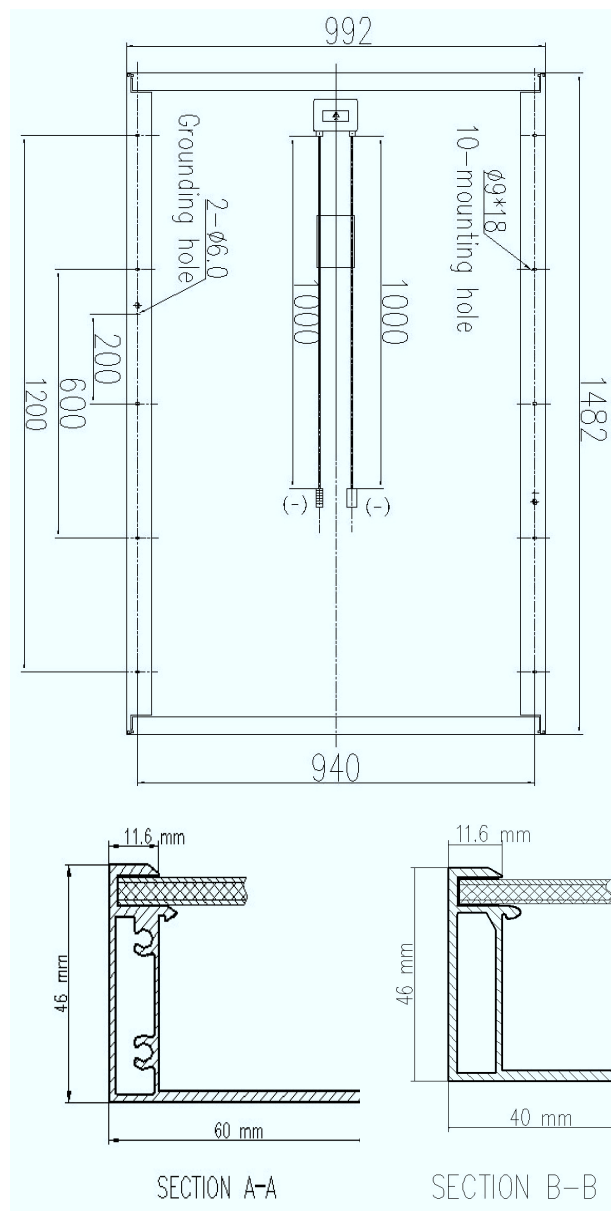


STC	S-210C	S-215C	S-220C
Nominal peak power	210W	215W	220W
Open circuit voltage	33.8V	34.0V	34.2V
Max. power voltage	27.1V	27.4V	27.7V
Short circuit current	8.37A	8.45A	8.52A
Max. power current	7.75A	7.86A	7.94A
module efficiency	14.3%	14.6%	14.9%
Power output tolerances	±3%		
Max. system voltage	1,000 VDC		
Max.series fuse rating	15A		
Operating temperature	- 40°C to + 85°C		
*Electrical parameters at STC (1,000 W/m <sup>2</sup> , 25°C, AM 1.5 according to EN 60904-3)			

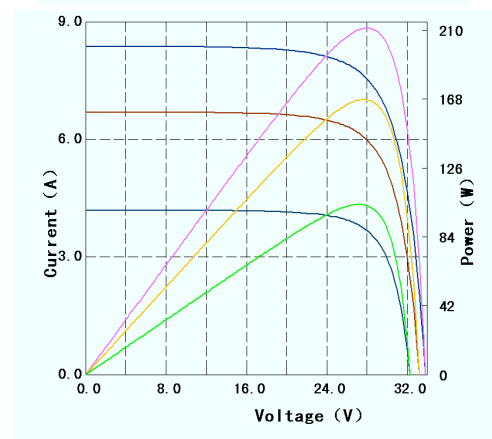
NOCT	S-205C	S-210C	S-215C
Nominal peak power	146W	149W	152W
Open circuit voltage	30.6V	30.7V	30.9V
Max. power voltage	23.5V	23.8V	24.1V
Short circuit current	6.72A	6.76A	6.83A
Max. power current	6.21A	6.27A	6.32A
NOCT	46°C±2°C		
*Electrical parameters at NOCT (800 W/m <sup>2</sup> , 20°C, AM 1.5 according to EN 60904-3)			

Temperature coefficients	
γPm	-0.47%/K
αIsc	0.038%/K
βVoc	-0.34%/K

Mechanical parameters	
Module dimension	1482*992*46(mm)
Weight	20.0kg
Max. wind Load	2400pa
Max. snow Load	5400pa
Cell dimension	156*156
Cell type	54(6*9) / Monocrystalline
Packing method	644pcs/40'HC



Current, power VS voltage characteristics (solar irradiant:100%、80%、50%)



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