



SR-100 [Amorphous]

Product Description

Sunrise Solar SR-100 series is a new line of cost-effective photovoltaic modules installable in any site not subject to mounting space constraints. SR-100 is a high-performance, high-quality, and applying process for the manufacture of large modules using advanced CVD (chemical vapor deposition), a key proprietary technology for the mass production of thin film (amorphous silicon) photovoltaic modules. In addition to its environmental advantages over the crystalline photovoltaic module (less energy used for manufacturing, less silicon required, shorter energy payback time), the thin film photovoltaic modules have a weatherproof structure and perform stably under high temperatures during summer. These features make the SR series an ideal solution for BIPV (building integrated photovoltaic) and grid-connected power systems for commercial and industrial facilities.

Quality Assurance

All products are strictly designed and manufactured to meet the standard of IEC 61646 & 61730.

Limited Warranty

Power output for 20 years. (maintain more than 85% of minimum rated power)
Free from defects in materials and workmanship for 2 year.



常州兆阳光能科技有限公司
SUNRISE SOLARTECH CO.,LTD.

<http://www.srsolartech.cn>

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Nominal maximum power of 100 watts.

The largest (1.4 m x 1.1 m) and most cost-effective module is the SR-100 encased in an aluminum frame. The SR-100 is especially well suited for the grid-connected systems of commercial buildings and industrial facilities. Very high voltage makes it easy to design layouts and cabling configurations with fewer connections for most applications.

Major Improvements of SR-100

- 3-series connection is available by 1000V of maximum system voltage.
- SR-100 is easy to install and connect.

SPECIFICATIONS

Mechanical data

Dimensions (mm)	L 1,409 x W 1,109 x T 35
Weight (kg)	21

Electrical data

Maximum output power	100 W +/- 5%
Maximum output power voltage	100 V
Maximum output power current	1.00 A
Open circuit voltage	140 V
Close circuit current	1.15 A
Maximum system voltage	1000 V

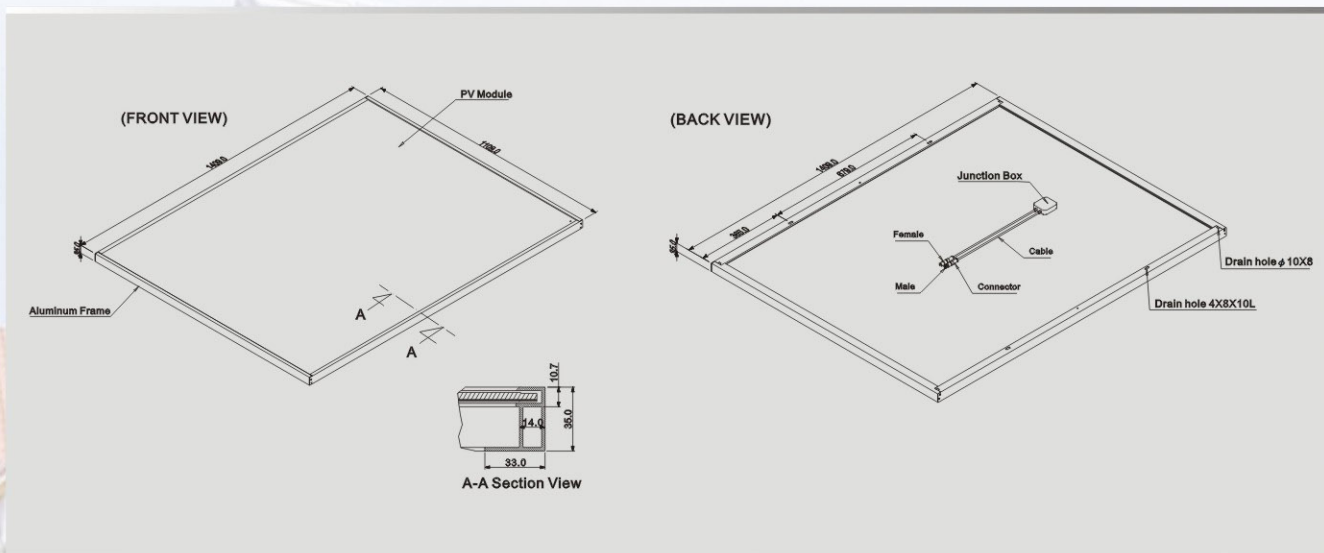
Temperature coefficients

Maximum output power	-0.20%/°C
Maximum output power voltage	-0.32%/°C
Maximum output power current	+0.14%/°C
Open circuit voltage	-0.33%/°C
Close circuit current	+0.09%/°C

Measurements made under the standard test conditions (STC):

- Irradiance of 1000 W/m²
- Spectrum of AM1.5
- Module temperature of 25°C

* Modifications to specification data are possible without prior notice.



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