



## Sunrise - PV modules:

Silver Poly 270WP / 280WP



### Strengths:

- Tolerance 0~+3%
- High transmission, low iron tempered glass
- Plug&Play connectors
- Bypass diodes protection
- Salt mist test and ammonia resistance test

### Warranty:

- Manufacturing 12 Years
- Power Production:  
95%: 5 years    90%: 12 years  
85%: 18 years    80%: 25 years

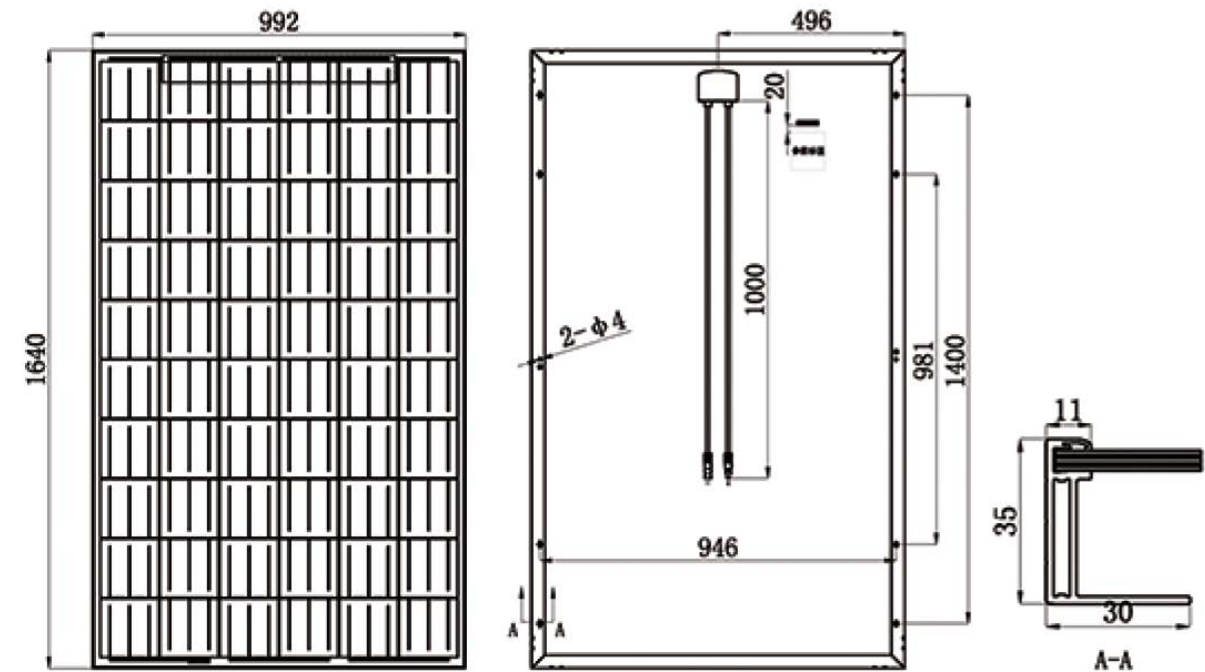
### Insurance:



### Certificates:



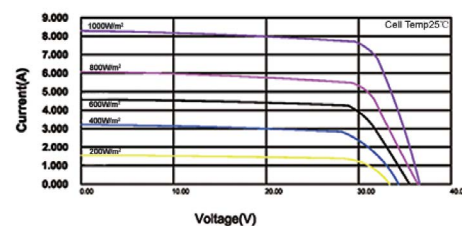
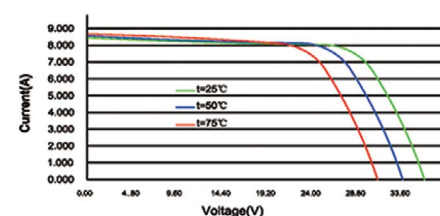
### Physical characteristics and specifications:



| Specifications:                           | SR-P660270                            | SR-P660280 |
|---|---------------------------------------|------------|
| Maximum power Pm(W)                       | 270 Wp                                | 280 Wp     |
| Maximum power voltage Vm(V)               | 31 V                                  | 31,38 V    |
| Maximum power current Im(A)               | 8,71 A                                | 8,93 A     |
| Open circuit voltage Voc(V)               | 38,65 V                               | 39,12 V    |
| Short circuit current Isc(A)              | 9,23 A                                | 9,45 A     |
| Module efficiency                         | 16,70%                                | 17,20%     |
| Operating temperature                     | -40 to 85 °C                          |            |
| Maximum system voltage                    | DC1000                                |            |
| Maximum series fuse                       | 15 A                                  |            |
| Tolerance                                 | 0~+3 %                                |            |
| Temperature coefficients of Pmax          | -0,45 %/°C                            |            |
| Temperature coefficients of Voc           | -0,35 %/°C                            |            |
| Temperature coefficients of Isc           | 0,05 %/°C                             |            |
| Nominal operating cell temperature (NOCT) | 45 ± 2 °C                             |            |
| Cell type                                 | 156x156 mm (Poly-Crystalline Silicon) |            |
| Number of cells                           | 60 (6x10) pieces                      |            |
| Solar cell efficiency                     | 18,78%                                | 18,93%     |
| Weight module                             | 18,2 kg                               |            |
| Measurement module                        | 1640x992x35 mm                        |            |
| Maximum wind bearing                      | 3800 Pa                               |            |
| Maximum pressure bearing                  | 5400 Pa                               |            |

STC (Standard Testing Conditions): Irradiation level 1000 W/m<sup>2</sup> AM=1,5 module temperature 25 °C

### Electrical charts:



| Art. number: | Product details  | Price:       |
|--------------|--|--------------|
| 991105607    | Solar PV Module Sunrise Silver Poly 270WP SR-P660270 35mm-5B | Upon request |
| 991105619    | Solar PV Module Sunrise Silver Poly 280WP SR-P660280 35mm-5B | Upon request |