



Sunrise - PV modules:

Mono Black 280WP / 290WP / 300WP / 310WP

Strengths:

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

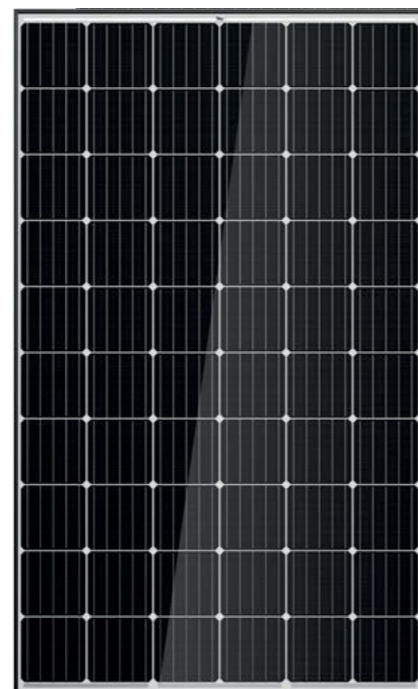
Warranty:

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

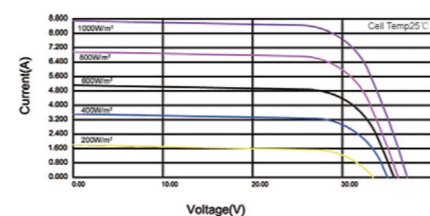
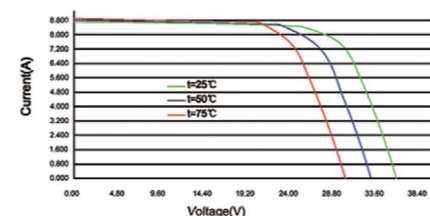
Insurance:



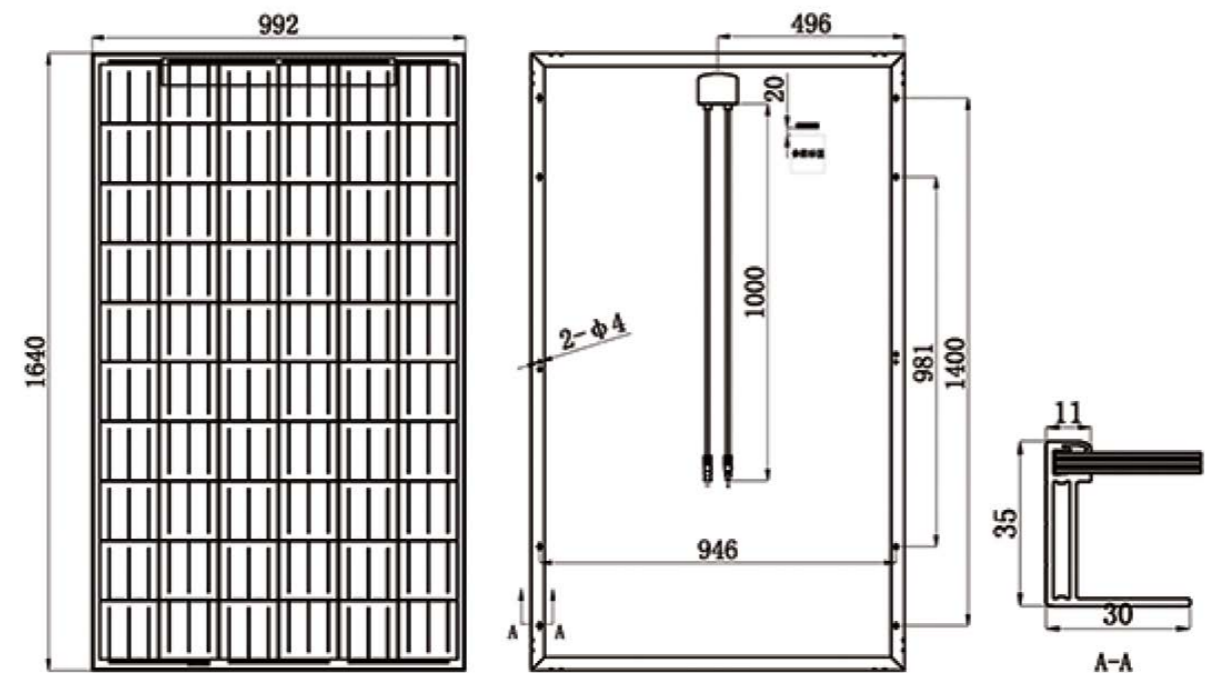
Certificates:



Electrical charts:



Physical characteristics and specifications:



Specifications:	SR-M660285	SR-M660300	SR-M660310
Maximum power Pm(W)	285 Wp	300 Wp	310 Wp
Maximum power voltage Vm(V)	31,42 V	31,64 V	31,83
Maximum power current Im(A)	9,08 A	9,49 A	10,29
Open circuit voltage Voc(V)	38,86 V	39,13 V	39,33
Short circuit current Isc(A)	9,59 A	10,02 A	10,29
Module efficiency	17,4%	18,47%	19,10%
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 (Mono-Crystalline Silicon)		
Number of cells	60 (6x10) stuks		
Solar cell efficiency	20,21%	21,24%	21,92%
Gewicht module	18,2 kg		
Afmeting module	1640x992x35 mm		
Maximum wind bearing	3800 Pa		
Maximum pressure bearing	5400 Pa		
STC (Standard Testing Conditions): Irradiation level 1000 W/m² AM=1,5 module temperature 25 °C			

Art. number:	Product details	Price:
991105617	Solar PV Module Sunrise Black Mono 285WP SR-M660280	Upon request
991105618	Solar PV Module Sunrise Black Mono 300WP SR-M660300	Upon request
991105623	Solar PV Module Sunrise Black Mono 310WP SR-M660310	Upon request