

## Mono Black Solar Module

SR-M660                      285W~315W

SR-M660285                      SR-M660305(PERC)

SR-M660290(PERC)                      SR-M660310(PERC)

SR-M660300(PERC)                      SR-M660315(PERC)



0~3% positive tolerance



3.2mm high transmission, low iron tempered AR glass



Better performance under low light environment



Withstand wind loads up to 2400Pa and snow loads up to 5400Pa

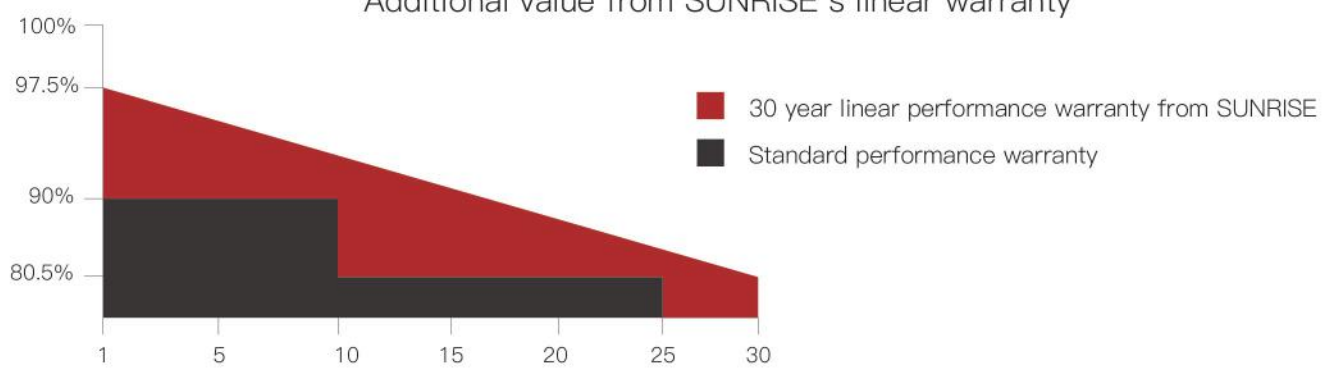


30 year leading linear performance warranty



PID-free

Additional value from SUNRISE's linear warranty

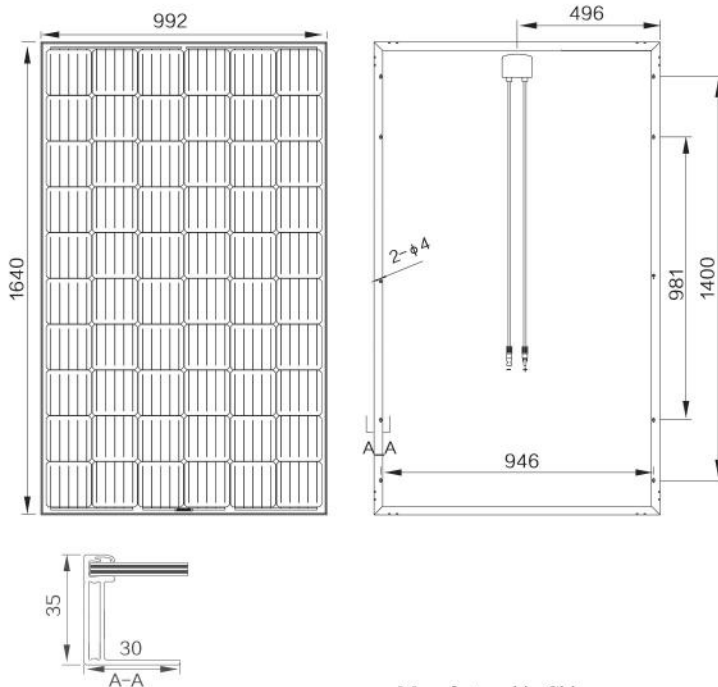


Module Type	SR-M660285		SR-M660290 (PERC)		SR-M660300 (PERC)		SR-M660305 (PERC)		SR-M660310 (PERC)		SR-M660315 (PERC)	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment												
Tolerance (%)	0~+3											
Module Efficiency (%)	17.55											
Maximum Power P <sub>max</sub> (W)	285	209.5	290	213.2	300	220.5	305	224.2	310	227.85	315	231.53
Open Circuit Voltage Voc(V)	38.86	35.7	38.96	35.9	39.13	36.6	39.24	37.02	39.36	37.33	39.46	37.62
Short Circuit Current Isc(A)	9.59	7.73	9.73	7.82	10.02	7.93	10.16	8.16	10.29	8.26	10.43	8.38
Maximum Power Voltage V <sub>m</sub> (V)	31.42	28.9	31.5	29.1	31.64	29.7	31.73	30.06	31.83	30.25	31.91	30.53
Maximum Power Current I <sub>m</sub> (A)	9.08	7.24	9.21	7.32	9.49	7.41	9.62	7.72	9.74	7.81	9.87	7.92
Cell Type (mm)	156.75x156.75 Mono-Crystalline Silicon											
Number of Cells (Pcs)	60(6×10)											
Maximum System Voltage (V)	DC1000											
Temp. Coeff. of Voc (%/°C)	-0.35											
Temp. Coeff. of Isc (%/°C)	0.05											
Temp. Coeff. of P <sub>m</sub> (%/°C)	-0.45											
Operating Temperature (°C)	-40 to 85											
Nominal Operating Cell Temperature (NOCT) (°C)	45±2											
Max. Series Fuse (A)	15											
Pressure Bearing (Pa)	5400											
Wind Bearing (Pa)	2400											

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5

NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind Speed 1m/s

## ENGINEERING DRAWINGS

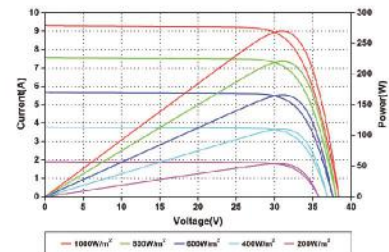


Manufactured in China

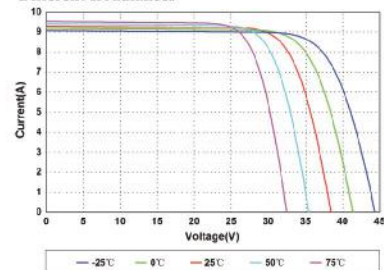
## MATERIAL DETAILS

Frame	Anodized aluminum
Glass	3.2mm low-iron tempered suede glass
Cell	6×10 pcs 156.75mm mono solar cell
Junction Box	Rated Current ≥15A I <sub>p</sub> ≥67, TUV & UL
Cable&Connector	4mm <sup>2</sup> , MC4orMC4 compatible

## IV CURVES



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

## PACKING DETAILS

Dimension (mm)	1640×992×35	
Weight (kg)	18.2	
Loading Capacity	360 pcs/20' GP	924 pcs/40' HC
Packing (pcs/pallet)	30	