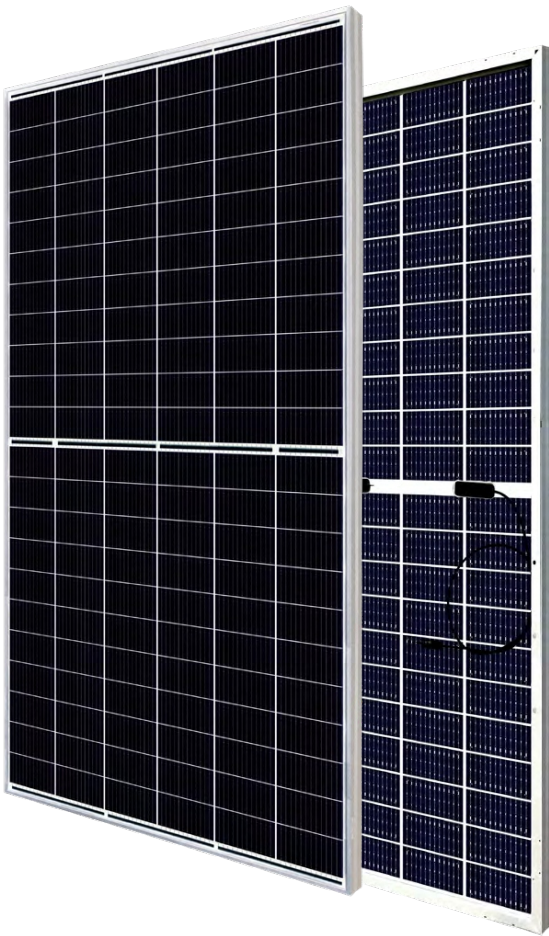













# SR5-66HTD 680-700M

MAXIMUM EFFICIENCY %	POSITIVE POWER TOLERANCE WP	CELLS	MODULE TECHNOLOGY
<b>22.53</b>	<b>0~+10.00</b>	<b>M12 132</b>	<b>TOPCon &amp; MICRO GAP DESIGN</b> WITH IMPROVED SHADE TOLERANCE



-  ANTI-STAINING PERFORMANCE of the backsheet ensures reduced CLEANING FREQUENCY OF REAR SIDE of the module, leading to reduction in water usage
-  CYLINDRICAL TABBING WIRE is used to reduce the shadow on cell active area
-  UP TO 30% POWER GAIN from ground facing side depending upon the albedo of the ground surface
-  Implementation of bypass diodes in split JB series-parallel connections enable the module to perform in PARTIAL SHADOW CONDITIONS with respect to full-cell module
-  HIGHER NUMBER OF BUSBAR makes the PV modules less prone to loss in efficiency and increase tolerance to micro cracks
-  FIELD RELIABILITY is improved due to multiple contact points on the cell which lowers the cell stress during module fabrication
-  Due to LIGHT WEIGHT hassle-free installation of bifacial module is done with increased robustness also in east west direction
-  LCOE IS CUT BACK by using M12 size solar cell with adding more power output than lower size cell module
-  LOWER INTERNAL RESISTANCE boosts module power helping to achieve minimal power loss with respect to previous variant modules

## Linear Performance Warranty



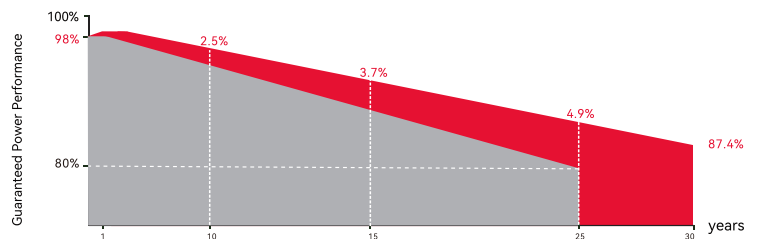
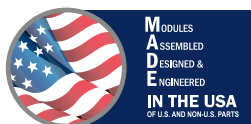
**15** years  
Quality assurance

**30** years  
Power output guarantee

Frame



Mesh



● Industry Standard

## ELECTRICAL PARAMETERS

Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	680	541	685	545	690	549	695	553	700	557
Operating Voltage (Vmpp/V)	40.17	39.81	40.32	39.96	40.47	40.11	40.62	40.36	31.64	40.51
Operating Current (Impp/A)	16.93	13.59	16.99	13.64	17.05	13.69	17.11	13.74	17.16	13.78
Open-Circuit Voltage (Voc/V)	46.53	46.11	46.66	46.18	46.79	46.22	46.92	46.29	47.05	46.36
Short-Circuit Current (Isc/A)	17.83	14.32	17.87	14.35	17.91	14.38	17.95	14.41	18.00	14.45
Module Efficiency $\eta_m(\%)$	21.89		22.05		22.21		22.37		22.53	

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s  
 Bifacial Gain: The additional gain from the back side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

## REAR SIDE POWER GAIN(REFERENCE TO 685W FRONT)

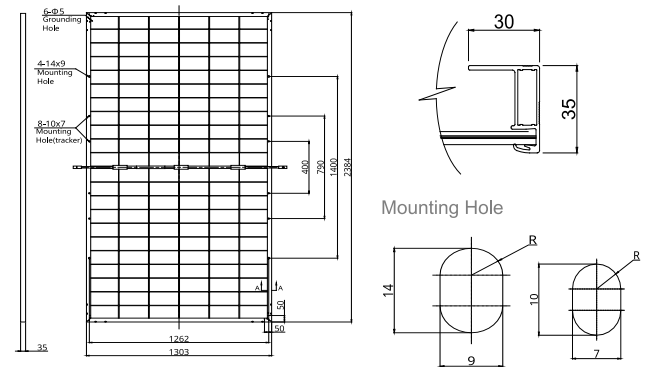
Pmax gain	10%	15%	15%	25%	30%
Pmax/W	754	788	822	856	891
Vmpp/V	40.32	40.32	40.32	40.32	40.32
Impp/A	18.69	19.54	20.39	21.24	22.09
Voc/V	46.60	46.60	46.60	46.60	46.60
Isc/A	19.66	20.55	21.44	22.34	23.23

## MECHANICAL SPECIFICATION

Cell Type	N-type Monocrystalline
Cell Dimensions	210x210mm
Cell Arrangement	132 (6x22)
Weight	38.5kg (84.87lbs)
Module Dimensions	2384x1303x35mm(93.85x51.29x1.37 inches)
Cable Length	300mm in Length or Customized Length
Cable Cross Section Size	4mm <sup>2</sup> (IEC), 12AWG(UL)
Front Glass	Dual glass, 2.0+2.0mm heat strengthened glass
No. of Bypass Diodes	3
Packing Configuration (1)	31pcs/carton, 527pcs/40hq
Packing Configuration (for USA)	31pcs/carton, 465pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	Ip68

## TECHNICAL DRAWINGS

Rear View



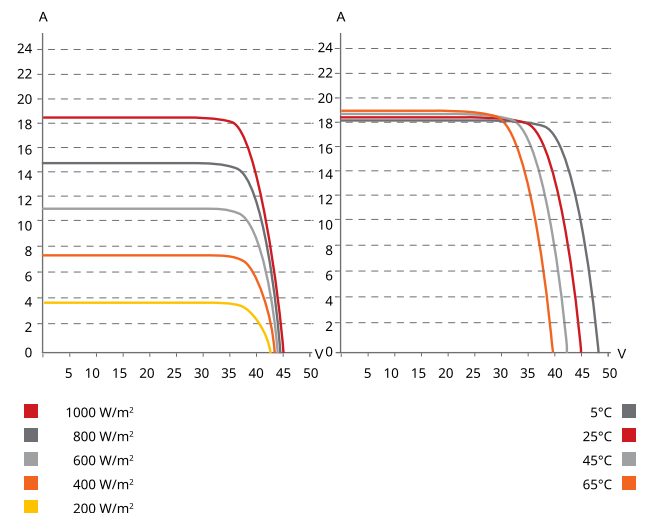
## OPERATING CONDITIONS

Maximum System Voltage	1500V DC(IEC/UL)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	35A
Connector	MC4 Compatible

## TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.340%/°C
Temperature Coefficient Voc	-0.265%/°C
Temperature Coefficient Isc	+0.050%/°C
NMOT	43±2°C

## I-V CURVE



[1] Specifications included in this datasheet are subject to change without notice. SUNPLUS reserves the right of final interpretation.