









# Sable 565-580W

High efficiency bifacial modules

**TOPCon 210mm**

## • TOPCon MODULE ADVANTAGE

-  Multi-Busbar technology
-  Superior load capacity
-  High module efficiency
-  Excellent low-light performance
-  Lower annual attenuation  
Longer warranty
-  Low BOS and LCOE
-  Reduce hot spot effect
-  Higher bifaciality

## • QUALITY SYSTEM

ISO9001 / ISO14001 / ISO45001

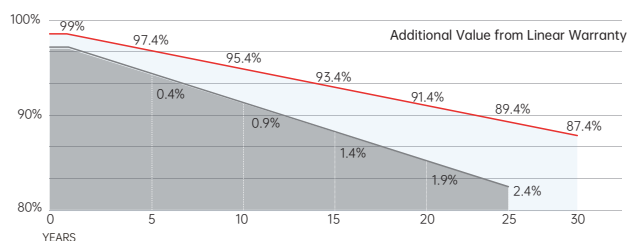
## • PRODUCT CERTIFICATION



## • INSURANCE

**PICC**

## • WARRANTY



**15 YEARS** Guarantee on product material and workmanship

**30 YEARS** Linear power output warranty



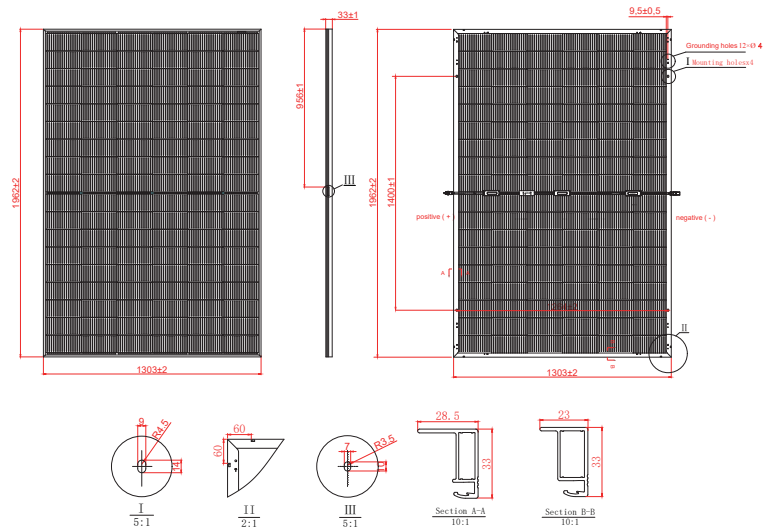
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## Mechanical Specifications

External Dimension	1962 x 1303 x 33 mm
Weight	31.5 kg
Solar Cells	TOPCon 210 x 105 mm (108pcs)
Front / Back Glass	2.0mm AR coating semi-tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm <sup>2</sup> , 250mm(+)/350mm(-) or Customized Length
Connector	Genuine MC4 EVO2/Zerun Z4S-abcde/QC Solar QC4.10-cds
Fire Safety Class	Class A

## Technical drawing



## Packing Configuration

Container	40'HQ
Pieces per Pallet	33
Pallets per Container	18
Pieces per Container	594

## Electrical Characteristics

Module Type	SRP-565-BTD-BG			SRP-570-BTD-BG			SRP-575-BTD-BG			SRP-580-BTD-BG		
	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC
Maximum Power -P <sub>mp</sub> (W)	565	619	452	570	625	456	575	630	460	580	636	464
Open Circuit Voltage -V <sub>oc</sub> (V)	39.42	39.50	39.40	39.62	39.70	39.60	39.82	39.90	39.80	40.02	40.10	40.00
Short Circuit Current -I <sub>sc</sub> (A)	18.26	20.01	14.61	18.30	20.06	14.64	18.34	20.10	14.67	18.38	20.14	14.70
Maximum Power Voltage -V <sub>mp</sub> (V)	32.96	33.04	32.94	33.16	33.24	33.14	33.36	33.44	33.34	33.56	33.64	33.54
Maximum Power Current -I <sub>mp</sub> (A)	17.15	18.80	13.72	17.19	18.84	13.76	17.24	18.90	13.80	17.29	18.95	13.83
Module Efficiency STC-η <sub>m</sub> (%)	22.10			22.30			22.49			22.69		
Power Measurement Tolerance	± 3%											
Power Sorting Tolerance (W)	-5W~+5W											
P <sub>max</sub> Temperature Coefficient	-0.29 %/°C											
V <sub>oc</sub> Temperature Coefficient	-0.25 %/°C											
I <sub>sc</sub> Temperature Coefficient	+0.046 %/°C											

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5 Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-3%; Current measurement tolerance: +/-4%  
 BNPI: front 1000 W/m<sup>2</sup> rear 135 W/m<sup>2</sup> Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-3%; Current measurement tolerance: +/-4%

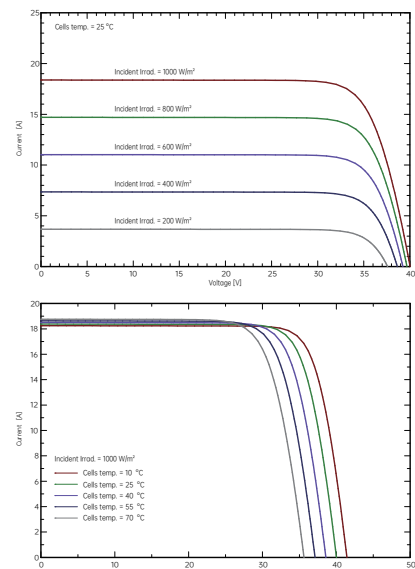
## Rear Side Power Gain( SRP-580-BTD-BG )

Power Gain	10%	15%	20%	25%	30%
Maximum Power -P <sub>mp</sub> (W)	638	667	696	725	754
Open Circuit Voltage -V <sub>oc</sub> (V)	40.02	40.02	40.02	40.02	40.02
Short Circuit Current -I <sub>sc</sub> (A)	20.22	21.14	22.06	22.98	23.89
Maximum Power Voltage -V <sub>mp</sub> (V)	33.56	33.56	33.56	33.56	33.56
Maximum Power Current -I <sub>mp</sub> (A)	19.02	19.88	20.75	21.61	22.48

## Application Conditions

Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35 A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Bifaciality	80%±5%
Mechanical Load	Front side 5400 Pa / Back side 2400 Pa

## I-V Curve



Specifications are subject to change without further notification SRP-DS-EN-2024T0830 © Copyright 2024 Seraphim



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