









Sable 595-610w

High efficiency dual-glass modules

TOPCon 182*188mm

● **TOPCON MODULE ADVANTAGE**

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

● **QUALITY SYSTEM**

ISO9001 / ISO14001 / ISO45001

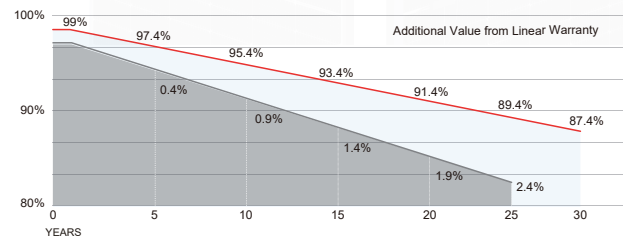
● **PRODUCT CERTIFICATION**



● **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	2333 x 1134 x 30 mm
Weight	32.7 kg
Solar Cells	TOPCon 182 x 94mm (144pcs)
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 ² , 250mm(+)/350mm(-) or Customized Length

Packing Configuration

Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	4	20
Pieces per Container	144	720

Electrical Characteristics

Module Type	SRP-595-BTA-BG			SRP-600-BTA-BG			SRP-605-BTA-BG			SRP-610-BTA-BG		
	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC
Maximum Power -P _{mp} (W)	595	446	476	600	450	480	605	454	484	610	458	488
Open Circuit Voltage -V _{oc} (V)	51.22	48.66	51.20	51.42	48.85	51.40	51.62	49.04	51.60	51.82	49.23	51.80
Short Circuit Current -I _{sc} (A)	14.47	11.58	11.59	14.53	11.62	11.63	14.59	11.67	11.68	14.65	11.72	11.72
Maximum Power Voltage -V _{mp} (V)	44.16	41.35	44.14	44.36	41.51	44.34	44.56	41.67	44.54	44.72	41.93	44.74
Maximum Power Current -I _{mp} (A)	13.49	10.79	10.79	13.55	10.84	10.84	13.61	10.89	10.89	13.64	10.91	10.91
Module Efficiency STC-η _m (%)	22.49			22.68			22.87			23.06		
Power Tolerance (W)							(0, +4.99)					
Pmax Temperature Coefficient							-0.29 %/°C					
Voc Temperature Coefficient							-0.25 %/°C					
Isc Temperature Coefficient							+0.046 %/°C					

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5
Power measurement tolerance: +/-3%

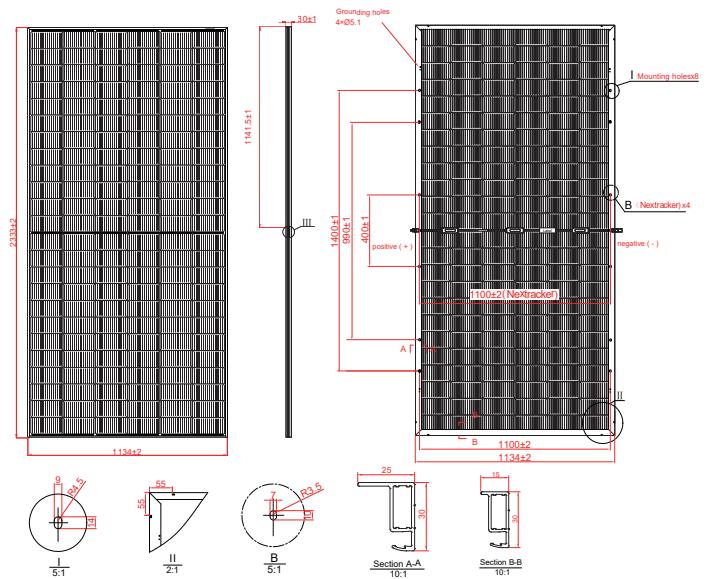
Rear Side Power Gain(SRP-600-BTA-BG)

Power Gain	10%	15%	20%	25%	30%
Maximum Power -P _{mp} (W)	660	690	720	750	780
Open Circuit Voltage -V _{oc} (V)	51.42	51.42	51.42	51.42	51.42
Short Circuit Current -I _{sc} (A)	15.98	16.71	17.44	18.16	18.89
Maximum Power Voltage -V _{mp} (V)	44.36	44.36	44.36	44.36	44.36
Maximum Power Current -I _{mp} (A)	14.91	15.58	16.26	16.94	17.62

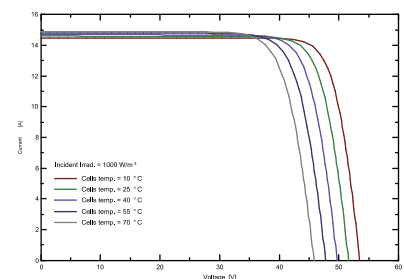
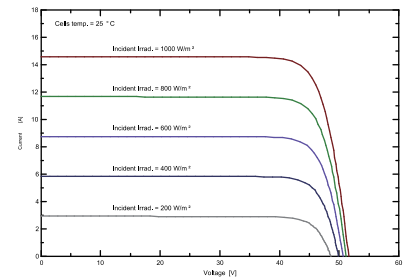
Application Conditions

Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	25 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

Technical drawing



I-V Curve



Specifications are subject to change without further notification SRP-DS-EN-2023T1220 © Copyright 2023 Seraphim

