

# Sable 575-600w

High efficiency bifacial modules

**TOPCon 182mm**

• **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**

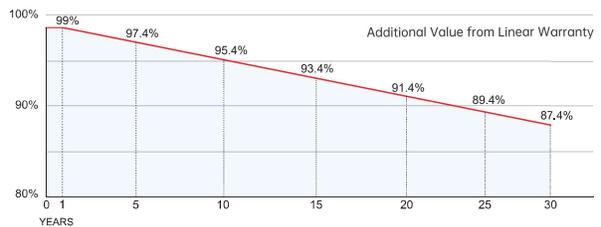
UL61730 IEC61215 IEC61730



• **INSURANCE**

**PICC**

• **WARRANTY**



Guarantee on product material and workmanship



Linear power output warranty



**SERAPHIM ENERGY GROUP CO., LTD.**

Add: NO.18, Shichuan Road, Jinzhai Economic Development Zone, Lu'an City, Anhui Province  
 Tel: +86-564-7736177 Email: info@seraphim-energy.com

## Mechanical Specifications

External Dimension	2278 x 1134 x 30 mm
Weight	32.0 kg
Solar Cells	182N-TOPCon (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 <sup>2</sup> , 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-575-BTA-BG		SRP-580-BTA-BG		SRP-585-BTA-BG		SRP-590-BTA-BG		SRP-595-BTA-BG		SRP-600-BTA-BG	
	Front STC	Front BNPI										
Maximum Power $P_{mp}(W)$	575	630	580	636	585	641	590	647	595	652	600	658
Open Circuit Voltage $-V_{oc}(V)$	51.90	51.98	52.10	52.18	52.30	52.38	52.50	52.58	52.70	52.78	52.90	52.98
Short Circuit Current $-I_{sc}(A)$	14.01	15.35	14.07	15.42	14.13	15.49	14.19	15.55	14.25	15.62	14.31	15.68
Maximum Power Voltage $-V_{mp}(V)$	43.20	43.28	43.40	43.48	43.60	43.68	43.80	43.88	44.00	44.08	44.20	44.28
Maximum Power Current $-I_{mp}(A)$	13.32	14.56	13.37	14.62	13.43	14.68	13.48	14.74	13.54	14.79	13.59	14.85
Module Efficiency STC- $\eta_m(\%)$	22.26		22.45		22.65		22.84		23.03		23.23	
Power Tolerance (W)	(0, +4.99)											

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-585-BTA-BG )

Power Gain	10%	15%	20%	25%	30%
Maximum Power $P_{mp}(W)$	644	673	702	731	761
Open Circuit Voltage $-V_{oc}(V)$	52.30	52.30	52.30	52.30	52.30
Short Circuit Current $-I_{sc}(A)$	15.54	16.25	16.96	17.66	18.37
Maximum Power Voltage $-V_{mp}(V)$	43.60	43.60	43.60	43.60	43.60
Maximum Power Current $-I_{mp}(A)$	14.77	15.44	16.12	16.79	17.46

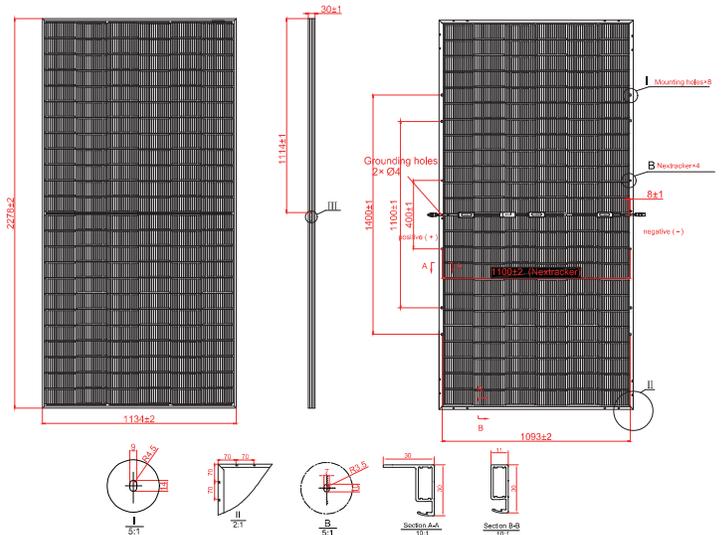
## Temperature Ratings

Pmax Temperature Coefficient	-0.29 %/°C
Voc Temperature Coefficient	-0.25 %/°C
Isc Temperature Coefficient	+0.046 %/°C

## 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

