

# Sable









## 435-460w

High efficiency bifacial modules



**TOPCon** 182\*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

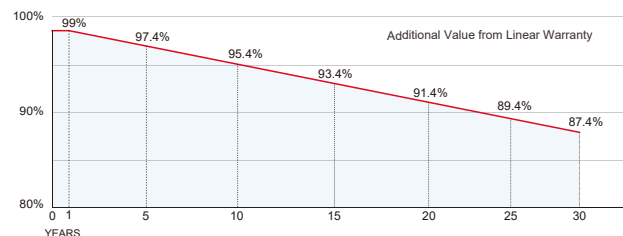
● **PRODUCT CERTIFICATION**



● **INSURANCE**



● **WARRANTY**



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

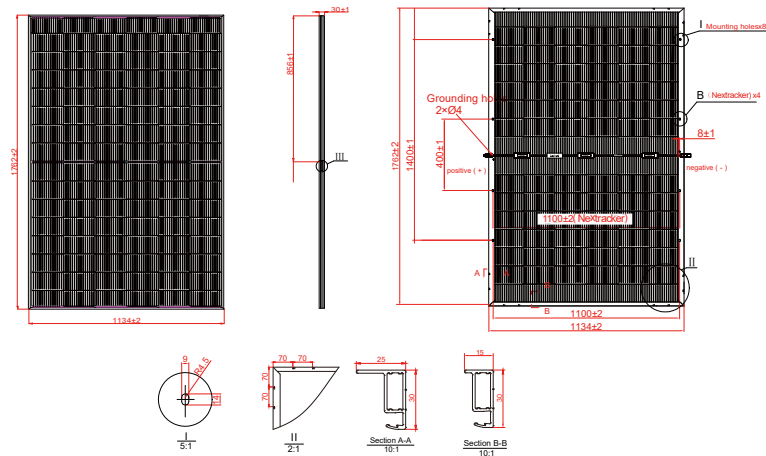
**30 YEARS** Linear power output warranty



## Mechanical Specifications

External Dimension	1762 x 1134 x 30 mm
Weight	24.9 kg
Solar Cells	TOPCon 182 x 105mm (96pcs)
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

## Technical drawing



## Packing Configuration

Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	6	26
Pieces per Container	216	936

## Electrical Characteristics

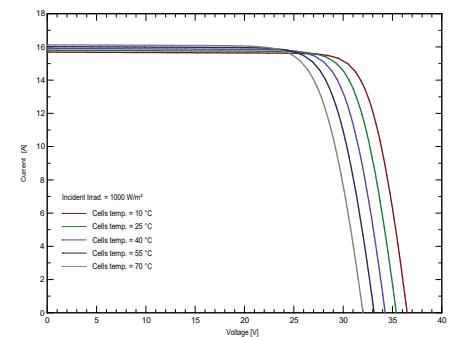
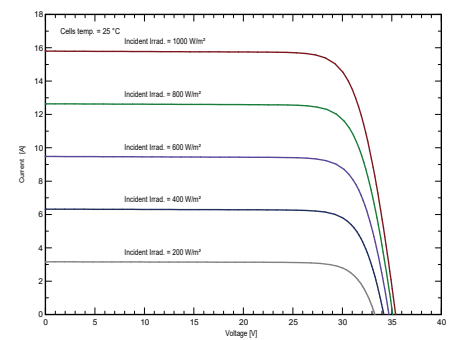
Module Type	SRP-435-BTE-BG		SRP-440-BTE-BG		SRP-445-BTE-BG		SRP-450-BTE-BG		SRP-455-BTE-BG		SRP-460-BTE-BG	
	Front STC	Front BNPI	Front STC	Front BNPI	Front STC	Front BNPI	Front STC	Front BNPI	Front STC	Front BNPI	Front STC	Front BNPI
Maximum Power -P <sub>mp</sub> (W)	435	482	440	488	445	493	450	499	455	504	460	510
Open Circuit Voltage -V <sub>oc</sub> (V)	35.18	35.26	35.38	35.46	35.58	35.66	35.78	35.86	35.98	36.06	36.18	36.26
Short Circuit Current -I <sub>sc</sub> (A)	15.75	17.45	15.80	17.51	15.85	17.56	15.90	17.62	15.95	17.67	16.00	17.73
Maximum Power Voltage -V <sub>mp</sub> (V)	29.21	29.29	29.41	29.49	29.61	29.69	29.81	29.89	30.01	30.09	30.21	30.29
Maximum Power Current -I <sub>mp</sub> (A)	14.90	16.46	14.97	16.53	15.03	16.61	15.10	16.68	15.17	16.75	15.23	16.83
Module Efficiency STC-η <sub>m</sub> (%)	21.77		22.02		22.27		22.52		22.77		23.02	
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-450-BTE-BG)

Power Gain	10%	15%	20%	25%	30%
Maximum Power -P <sub>mp</sub> (W)	495	518	540	563	585
Open Circuit Voltage -V <sub>oc</sub> (V)	35.78	35.78	35.78	35.78	35.78
Short Circuit Current -I <sub>sc</sub> (A)	17.49	18.29	19.08	19.88	20.67
Maximum Power Voltage -V <sub>mp</sub> (V)	29.81	29.81	29.81	29.81	29.81
Maximum Power Current -I <sub>mp</sub> (A)	16.61	17.37	18.12	18.88	19.63

## I-V Curve



## 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	30 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

Specifications are subject to change without further notification SRP-DS-EN-2026V1.0 © Copyright 2026 Seraphim



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