

# Sable 475-490w

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

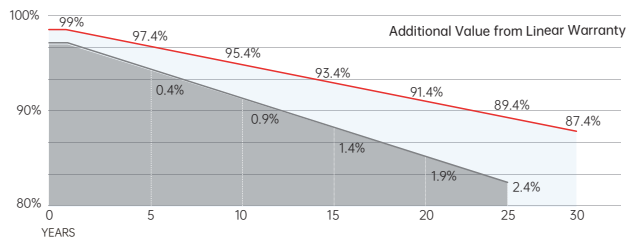
## PRODUCT CERTIFICATION



## INSURANCE



## WARRANTY



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

**30 YEARS** Linear power output warranty



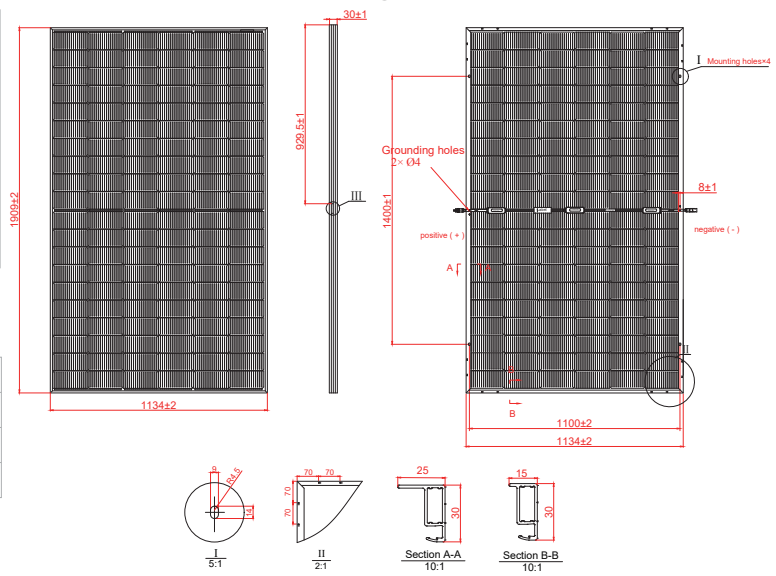
## Mechanical Specifications

External Dimension	1909 x 1134 x 30 mm
Weight	27.3 kg
Solar Cells	TOPCon 182 x 91mm (120pcs)
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	5	24
Pieces per Container	180	864

## Technical drawing



## Electrical Characteristics

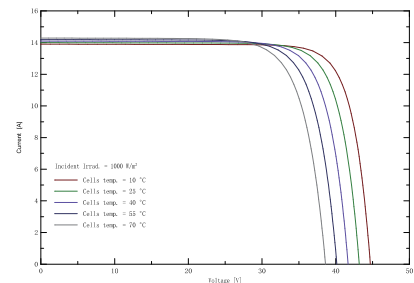
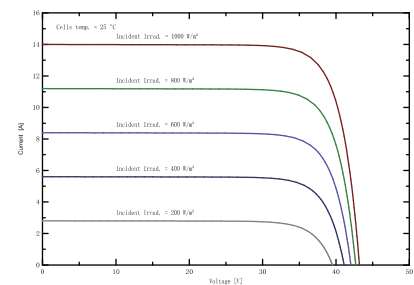
Module Type	SRP-475-BTB-BG			SRP-480-BTB-BG			SRP-485-BTB-BG			SRP-490-BTB-BG		
	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC
Maximum Power -P <sub>mp</sub> (W)	475	521	380	480	526	384	485	532	388	490	537	392
Open Circuit Voltage -V <sub>oc</sub> (V)	43.00	43.08	42.98	43.20	43.28	43.18	43.40	43.48	43.38	43.60	43.68	43.58
Short Circuit Current -I <sub>sc</sub> (A)	13.94	15.28	11.15	14.00	15.34	11.20	14.06	15.41	11.25	14.12	15.48	11.30
Maximum Power Voltage -V <sub>mp</sub> (V)	35.80	35.88	35.82	36.00	36.08	36.02	36.20	36.28	36.22	36.40	36.48	36.42
Maximum Power Current -I <sub>mp</sub> (A)	13.27	14.51	10.61	13.34	14.58	10.67	13.41	14.65	10.72	13.48	14.72	10.78
Module Efficiency STC-η <sub>m</sub> (%)	21.94			22.17			22.40			22.63		
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/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: +/-3%

## Rear Side Power Gain( SRP-480-BTB-BG )

Power Gain	10%	15%	20%	25%	30%
Maximum Power -P <sub>mp</sub> (W)	518	538	557	576	595
Open Circuit Voltage -V <sub>oc</sub> (V)	43.20	43.20	43.20	43.20	43.20
Short Circuit Current -I <sub>sc</sub> (A)	15.12	15.68	16.24	16.80	17.36
Maximum Power Voltage -V <sub>mp</sub> (V)	36.00	36.00	36.00	36.00	36.00
Maximum Power Current -I <sub>mp</sub> (A)	14.41	14.94	15.47	16.01	16.54

## I-V Curve



## 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

Specifications are subject to change without further notification SRP-DS-EN-2024T0715 © Copyright 2024 Seraphim



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