









# 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

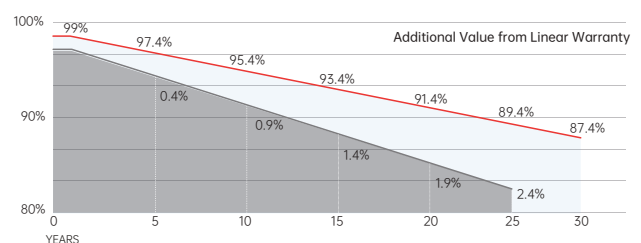
## • PRODUCT CERTIFICATION



## • INSURANCE

**PICC**

## • WARRANTY



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

**30 YEARS** Linear power output warranty



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## Mechanical Specifications

External Dimension	1909 x 1134 x 30 mm
Weight	27.3 kg
Solar Cells	N-TOPCon 182 x 91mm (120 pcs)
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

## Packing Configuration

Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	5	24
Pieces per Container	180	864

## 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 $-P_{mp}$ (W)	475	521	380	480	526	384	485	532	388	490	537	392
Open Circuit Voltage $-V_{oc}$ (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 $-I_{sc}$ (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 $-V_{mp}$ (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 $-I_{mp}$ (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 $-η$ (%)	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%

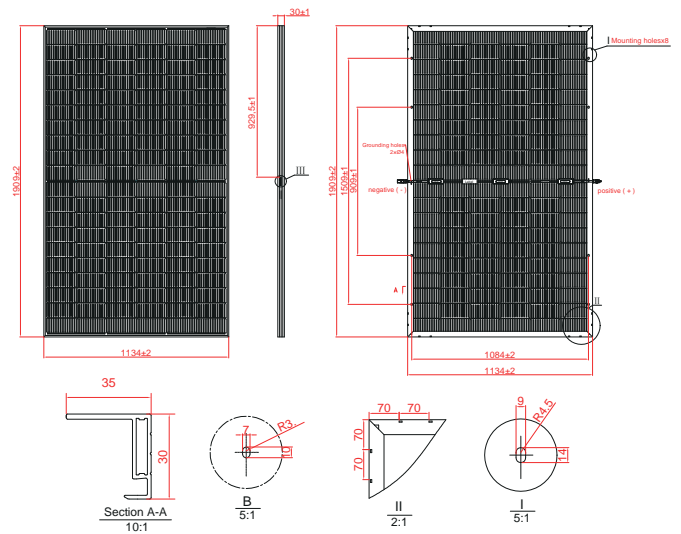
## Rear Side Power Gain( SRP-480-BTA-BG )

Power Gain	10%	15%	20%	25%	30%
Maximum Power $-P_{mp}$ (W)	528	552	576	600	624
Open Circuit Voltage $-V_{oc}$ (V)	43.20	43.20	43.20	43.20	43.20
Short Circuit Current $-I_{sc}$ (A)	15.40	16.10	16.80	17.50	18.20
Maximum Power Voltage $-V_{mp}$ (V)	36.00	36.00	36.00	36.00	36.00
Maximum Power Current $-I_{mp}$ (A)	14.67	15.34	16.01	16.68	17.34

## 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

