

# 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

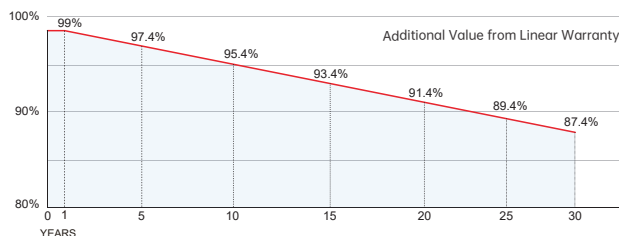
## • PRODUCT CERTIFICATION



## • INSURANCE

**PICC**

## • WARRANTY



Guarantee on product material and workmanship



Linear power output warranty



## 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(USA) |
| Pieces per Pallet     | 36    | 36         |
| Pallets per Container | 4     | 17         |
| Pieces per Container  | 144   | 612        |

## 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 | 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)         | 575            | 630        | 580            | 636        | 585            | 641        | 590            | 647        | 595            | 652        | 600            | 658        |
| Open Circuit Voltage -V <sub>oc</sub> (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 <sub>sc</sub> (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 <sub>mp</sub> (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 <sub>mp</sub> (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-η <sub>m</sub> (%)   | 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 <sub>mp</sub> (W)         | 644   | 673   | 702   | 731   | 761   |
| Open Circuit Voltage -V <sub>oc</sub> (V)  | 52.30 | 52.30 | 52.30 | 52.30 | 52.30 |
| Short Circuit Current -I <sub>sc</sub> (A) | 15.54 | 16.25 | 16.96 | 17.66 | 18.37 |
| Maximum Power Voltage -V <sub>mp</sub> (V) | 43.60 | 43.60 | 43.60 | 43.60 | 43.60 |
| Maximum Power Current -I <sub>mp</sub> (A) | 14.77 | 15.44 | 16.12 | 16.79 | 17.46 |

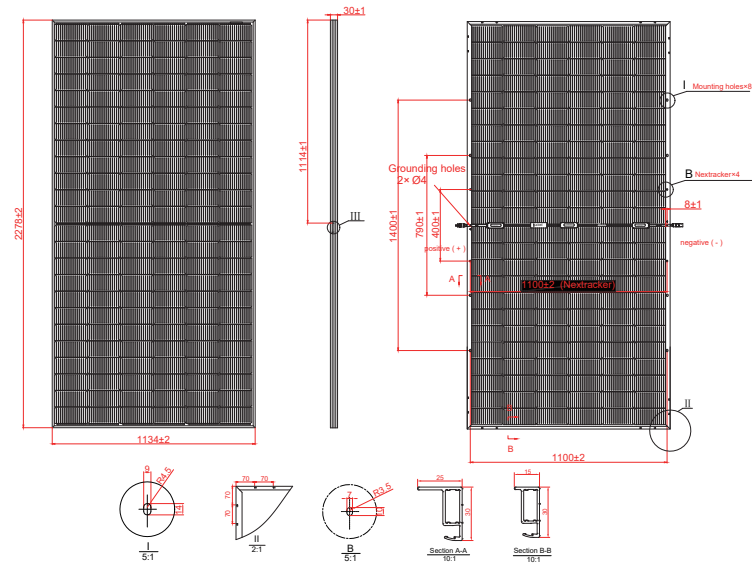
## Temperature Ratings

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

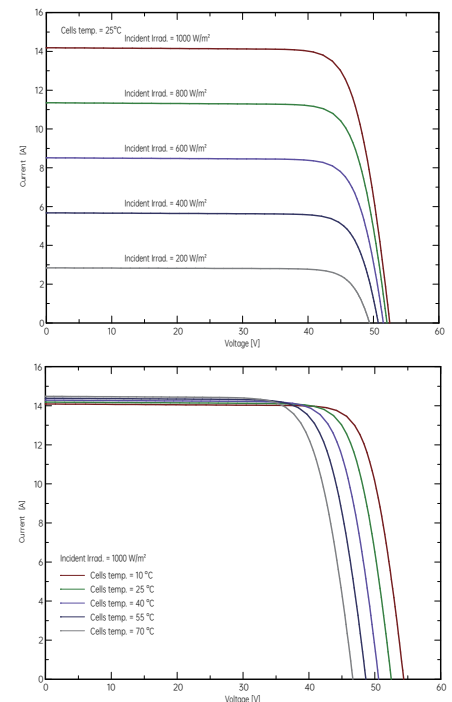
## Application Conditions

|                                    |                                        |
|------------------------------------|----------------------------------------|
| 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



Specifications are subject to change without further notification SRP-DS-EN-2025T1106© Copyright 2025 Seraphim



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