









# Sable 570-585w

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

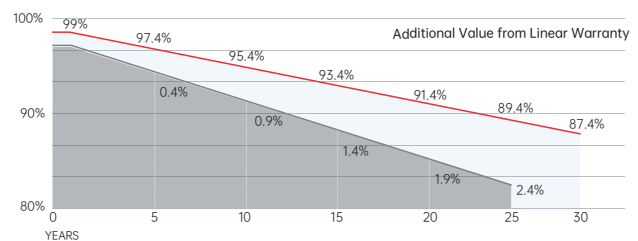
## • PRODUCT CERTIFICATION



## • INSURANCE

**PICC**

## • WARRANTY



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

**30 YEARS** Linear power output warranty



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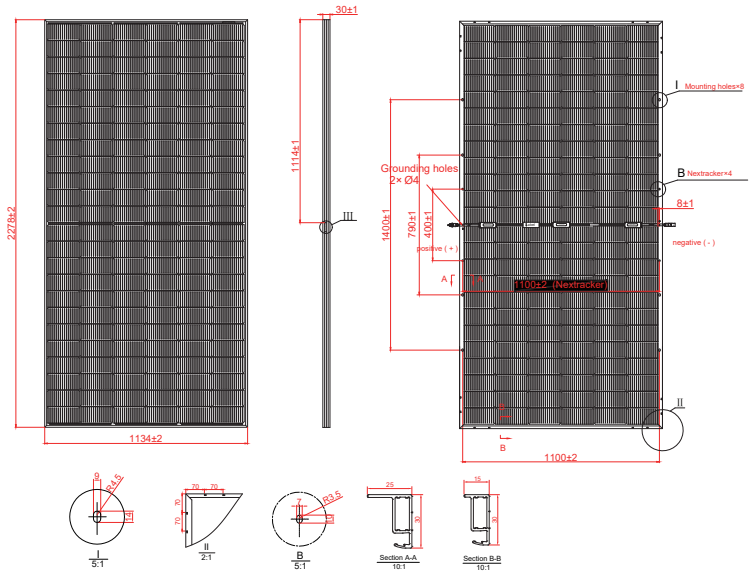
## Mechanical Specifications

|                    |   |
|--------------------|---|
| External Dimension | 2278 x 1134 x 30 mm   |
| Weight             | 32.0 kg   |
| Solar Cells        | TOPCon 182 x 91mm (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 |
| Connector          | Genuine MC4 EVO2/Zerun Z4S-abcde/QC Solar QC4.10-cds        |
| Fire Safety Class  | Class A   |

## Packing Configuration

|                       |       |       |
|-----------------------|-------|-------|
| Container             | 40'HQ | 40'HQ |
| Pieces per Pallet     | 36    | 36    |
| Pallets per Container | 4     | 20    |
| Pieces per Container  | 144   | 720   |

## Technical drawing



## Electrical Characteristics

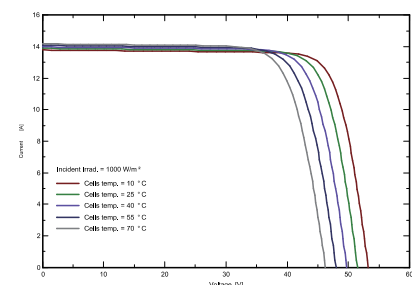
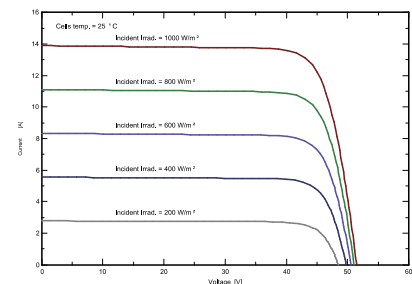
| Module Type                        | SRP-570-BTA-BG |            |          | SRP-575-BTA-BG |            |          | SRP-580-BTA-BG |            |          | SRP-585-BTA-BG |            |          |
|------------------------------------|----------------|------------|----------|----------------|------------|----------|----------------|------------|----------|----------------|------------|----------|
|                                    | 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)         | 570            | 625        | 456      | 575            | 630        | 460      | 580            | 636        | 464      | 585            | 641        | 468      |
| Open Circuit Voltage $V_{oc}$ (V)  | 51.70          | 51.78      | 51.68    | 51.90          | 51.98      | 51.88    | 52.10          | 52.18      | 52.08    | 52.30          | 52.38      | 52.28    |
| Short Circuit Current $I_{sc}$ (A) | 13.95          | 15.29      | 11.16    | 14.01          | 15.35      | 11.21    | 14.07          | 15.42      | 11.26    | 14.13          | 15.49      | 11.30    |
| Maximum Power Voltage $V_{mp}$ (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    |
| Maximum Power Current $I_{mp}$ (A) | 13.26          | 14.50      | 10.61    | 13.32          | 14.56      | 10.66    | 13.37          | 14.62      | 10.70    | 13.42          | 14.68      | 10.75    |
| Module Efficiency STC $\eta$ (%)   | 22.07          |            |          | 22.26          |            |          | 22.45          |            |          | 22.65          |            |          |
| 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-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 |

## 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-2024T0507 © Copyright 2024 Seraphim



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