







# Seco 595-610W

High efficiency bifacial modules

**PERC 210mm**

## • PERC MODULE ADVANTAGE

-  Less mismatch to get more power
-  Less power loss by minimizing the shading impact
-  Excellent low-light performance
-  Low BOS and LCOE
-  3 times EL test to ensure best quality
-  Superior load capacity 2400 Pa wind load & 5400 Pa snow load

## • QUALITY SYSTEM

ISO9001 / ISO14001 / ISO45001

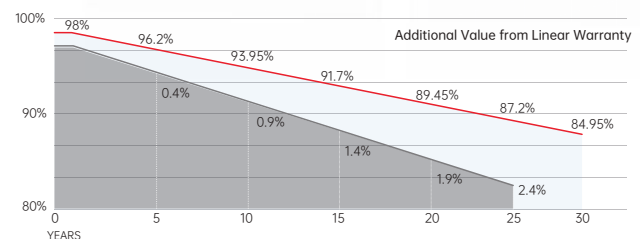
## • PRODUCT CERTIFICATION



## • INSURANCE

**PICC**

## • WARRANTY



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

**30 YEARS** Linear power output warranty



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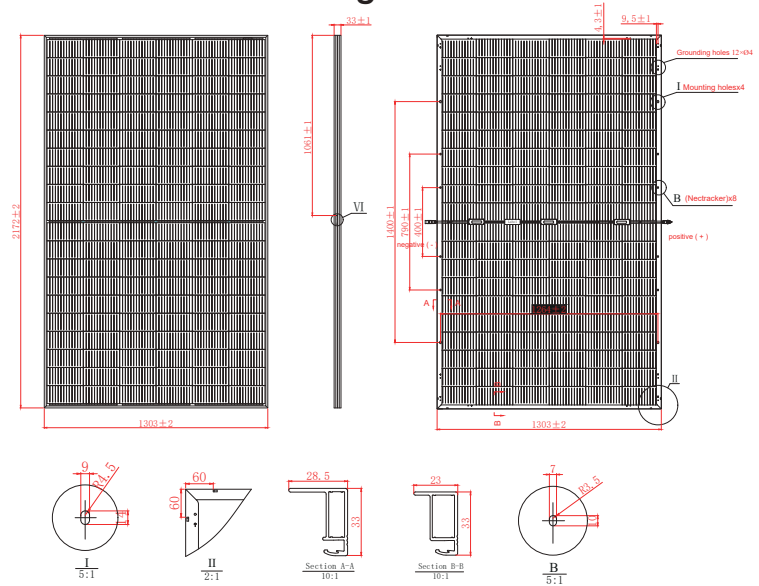
## Mechanical Specifications

|                    |   |
|--------------------|---|
| External Dimension | 2172 x 1303 x 33 mm   |
| Weight             | 35.1 kg   |
| Solar Cells        | PERC Mono crystalline(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 |

## Packing Configuration

|                       |       |
|-----------------------|-------|
| Container             | 40'HQ |
| Pieces per Pallet     | 33    |
| Pallets per Container | 18    |
| Pieces per Container  | 594   |

## Technical drawing



## Electrical Characteristics

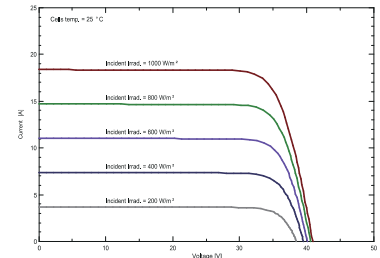
| Module Type                                | SRP-595-BMB-BG |            |          | SRP-600-BMB-BG |            |          | SRP-605-BMB-BG |            |          | SRP-610-BMB-BG |            |          |
|--|----------------|------------|----------|----------------|------------|----------|----------------|------------|----------|----------------|------------|----------|
|  | Front STC      | Front NOCT | Back STC | Front STC      | Front NOCT | Back STC | Front STC      | Front NOCT | Back STC | Front STC      | Front NOCT | Back STC |
| Maximum Power -P <sub>mp</sub> (W)         | 595            | 446        | 417      | 600            | 450        | 420      | 605            | 454        | 424      | 610            | 458        | 427      |
| Open Circuit Voltage -V <sub>oc</sub> (V)  | 41.49          | 39.42      | 41.47    | 41.69          | 39.61      | 41.67    | 41.89          | 39.80      | 41.87    | 42.09          | 39.99      | 42.07    |
| Short Circuit Current -I <sub>sc</sub> (A) | 18.34          | 14.67      | 12.84    | 18.40          | 14.72      | 12.88    | 18.46          | 14.77      | 12.92    | 18.52          | 14.82      | 12.96    |
| Maximum Power Voltage -V <sub>mp</sub> (V) | 34.38          | 32.22      | 34.37    | 34.58          | 32.40      | 34.56    | 34.78          | 32.58      | 34.75    | 34.98          | 32.75      | 34.94    |
| Maximum Power Current -I <sub>mp</sub> (A) | 17.31          | 13.85      | 12.12    | 17.36          | 13.89      | 12.15    | 17.41          | 13.93      | 12.19    | 17.46          | 13.97      | 12.22    |
| Module Efficiency STC-η <sub>m</sub> (%)   | 21.02          |            |          | 21.20          |            |          | 21.38          |            |          | 21.55          |            |          |
| Power Tolerance (W)                        | (0, +4.99)     |            |          |                |            |          |                |            |          |                |            |          |
| P <sub>max</sub> Temperature Coefficient   | -0.34 %/°C     |            |          |                |            |          |                |            |          |                |            |          |
| V <sub>oc</sub> Temperature Coefficient    | -0.25 %/°C     |            |          |                |            |          |                |            |          |                |            |          |
| I <sub>sc</sub> Temperature Coefficient    | +0.04 %/°C     |            |          |                |            |          |                |            |          |                |            |          |

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5  
Power measurement tolerance: +/-3%

## Rear Side Power Gain( SRP-600-BMB-BG)

| Power Gain                                 | 10%   | 15%   | 20%   | 25%   | 30%   |
|--|-------|-------|-------|-------|-------|
| Maximum Power -P <sub>mp</sub> (W)         | 660   | 690   | 720   | 750   | 780   |
| Open Circuit Voltage -V <sub>oc</sub> (V)  | 41.5  | 41.5  | 41.5  | 41.5  | 41.5  |
| Short Circuit Current -I <sub>sc</sub> (A) | 20.39 | 21.32 | 22.25 | 23.18 | 24.10 |
| Maximum Power Voltage -V <sub>mp</sub> (V) | 34.33 | 34.33 | 34.33 | 34.33 | 34.33 |
| Maximum Power Current -I <sub>mp</sub> (A) | 19.23 | 20.10 | 20.98 | 21.85 | 22.72 |

## I-V Curve



## 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                        | 70%±10%                                |
| Mechanical Load                    | Front side 5400 Pa / Back side 2400 Pa |

