

Sable 495-520w

High efficiency bifacial modules

TOPCon

182*210mm

● 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

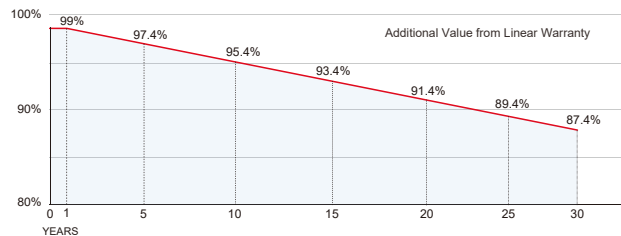
● PRODUCT CERTIFICATION



● INSURANCE



● WARRANTY



Guarantee on product material and workmanship



Linear power output warranty



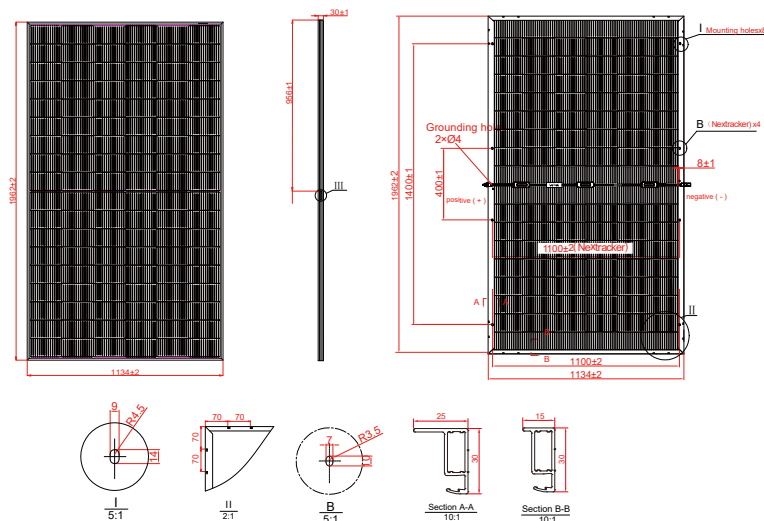
Mechanical Specifications

| | |
|--------------------|---|
| External Dimension | 1962 x 1134 x 30 mm |
| Weight | 27.8 kg |
| Solar Cells | TOPCon 182 x 105mm (108 pcs) |
| Front / Back Glass | 2.0mm AR coating semi-tempered glass, low iron |
| Frame | Black anodized aluminium alloy |
| Junction Box | IP68, 3 diodes |
| Output Cables | 4.0mm ² , 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-495-BTD-BG | | SRP-500-BTD-BG | | SRP-505-BTD-BG | | SRP-510-BTD-BG | | SRP-515-BTD-BG | | SRP-520-BTD-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 _{mp} (W) | 495 | 548 | 500 | 554 | 505 | 560 | 510 | 565 | 515 | 571 | 520 | 576 |
| Open Circuit Voltage -V _{oc} (V) | 39.83 | 39.91 | 40.03 | 40.11 | 40.23 | 40.31 | 40.43 | 40.51 | 40.63 | 40.71 | 40.83 | 40.91 |
| Short Circuit Current -I _{sc} (A) | 15.83 | 17.54 | 15.88 | 17.60 | 15.93 | 17.65 | 15.98 | 17.71 | 16.03 | 17.76 | 16.08 | 17.82 |
| Maximum Power Voltage -V _{mp} (V) | 33.11 | 33.19 | 33.31 | 33.39 | 33.51 | 33.59 | 33.71 | 33.79 | 33.91 | 33.99 | 34.11 | 34.19 |
| Maximum Power Current -I _{mp} (A) | 14.96 | 16.52 | 15.02 | 16.59 | 15.07 | 16.66 | 15.13 | 16.72 | 15.19 | 16.79 | 15.25 | 16.85 |
| Module Efficiency STC-η _{stc} (%) | 22.25 | | 22.47 | | 22.70 | | 22.92 | | 23.15 | | 23.37 | |
| Power Tolerance(W) | (0, +4.99) | | | | | | | | | | | |

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5 Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-3%; Current measurement tolerance: +/-4%
 BNPI: front 1000 W/m² rear 135 W/m² Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-3%; Current measurement tolerance: +/-4%

Rear Side Power Gain(SRP-500-BTD-BG)

| Power Gain | 10% | 15% | 20% | 25% | 30% |
|--|-------|-------|-------|-------|-------|
| Maximum Power -P _{mp} (W) | 550 | 575 | 600 | 625 | 650 |
| Open Circuit Voltage -V _{oc} (V) | 40.03 | 40.03 | 40.03 | 40.03 | 40.03 |
| Short Circuit Current -I _{sc} (A) | 17.47 | 18.26 | 19.06 | 19.85 | 20.64 |
| Maximum Power Voltage -V _{mp} (V) | 33.31 | 33.31 | 33.31 | 33.31 | 33.31 |
| Maximum Power Current -I _{mp} (A) | 16.52 | 17.27 | 18.02 | 18.78 | 19.53 |

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 | 30 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 |

I-V Curve

