

Seco

580-605W

High efficiency bifacial modules

PERC

182mm

● 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

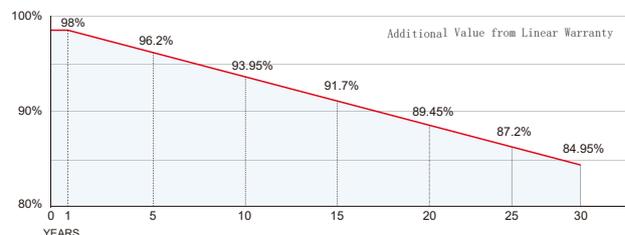
● PRODUCT CERTIFICATION



● INSURANCE

PICC

● WARRANTY



Guarantee on product material and workmanship



Linear power output warranty



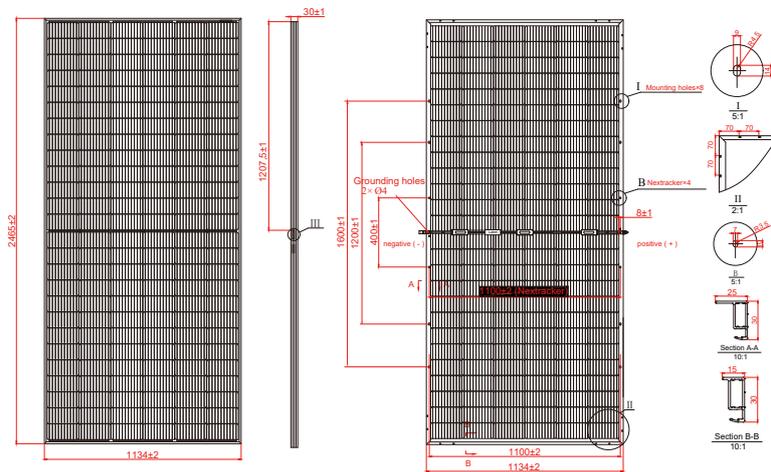
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Mechanical Specifications

| | |
|--------------------|---|
| External Dimension | 2465 x 1134 x 30 mm |
| Weight | 34.6 kg |
| Solar Cells | PERC Mono crystalline(156 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 ² , 250mm(+)/350mm(-) or Customized Length |

Technical drawing



Packing Configuration

| | | |
|-----------------------|--------|--------|
| Container | 20' GP | 40' HQ |
| Pieces per Pallet | 36 | 36 |
| Pallets per Container | 4 | 16 |
| Pieces per Container | 144 | 576 |

Electrical Characteristics

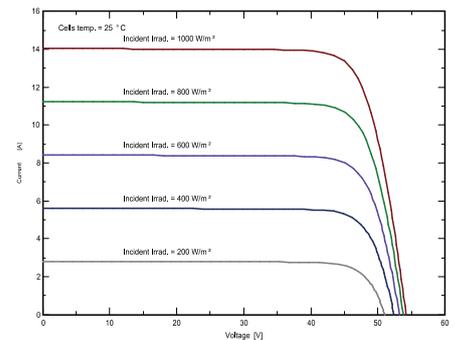
| Module Type | SRP-580-BMZ-BG | | SRP-585-BMZ-BG | | SRP-590-BMZ-BG | | SRP-595-BMZ-BG | | SRP-600-BMZ-BG | | SRP-605-BMZ-BG | |
|-------------------------------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|
| | Front STC | Front BNP1 |
| Maximum Power $-P_{mp}$ (W) | 580 | 635 | 585 | 640 | 590 | 646 | 595 | 651 | 600 | 657 | 605 | 662 |
| Open Circuit Voltage $-V_{oc}$ (V) | 53.43 | 53.63 | 53.63 | 53.83 | 53.83 | 54.03 | 54.03 | 54.23 | 54.23 | 54.43 | 54.43 | 54.63 |
| Short Circuit Current $-I_{sc}$ (A) | 13.81 | 15.12 | 13.87 | 15.18 | 13.93 | 15.25 | 13.99 | 15.31 | 14.05 | 15.38 | 14.11 | 15.44 |
| Maximum Power Voltage $-V_{mp}$ (V) | 44.81 | 44.79 | 45.01 | 44.97 | 45.21 | 45.18 | 45.41 | 45.39 | 45.61 | 45.59 | 45.81 | 45.76 |
| Maximum Power Current $-I_{mp}$ (A) | 12.95 | 14.17 | 13.01 | 14.24 | 13.06 | 14.29 | 13.11 | 14.35 | 13.16 | 14.40 | 13.22 | 14.47 |
| Module Efficiency STC- η_m (%) | 20.75 | | 20.93 | | 21.11 | | 21.29 | | 21.46 | | 21.64 | |
| 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%
BNP1: 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-590-BMZ-BG)

| Power Gain | 10% | 15% | 20% | 25% | 30% |
|-------------------------------------|-------|-------|-------|-------|-------|
| Maximum Power $-P_{mp}$ (W) | 649 | 679 | 708 | 738 | 767 |
| Open Circuit Voltage $-V_{oc}$ (V) | 53.83 | 53.83 | 53.83 | 53.83 | 53.83 |
| Short Circuit Current $-I_{sc}$ (A) | 15.32 | 16.02 | 16.72 | 17.41 | 18.11 |
| Maximum Power Voltage $-V_{mp}$ (V) | 45.21 | 45.21 | 45.21 | 45.21 | 45.21 |
| Maximum Power Current $-I_{mp}$ (A) | 14.37 | 15.02 | 15.67 | 16.33 | 16.98 |

I-V Curve

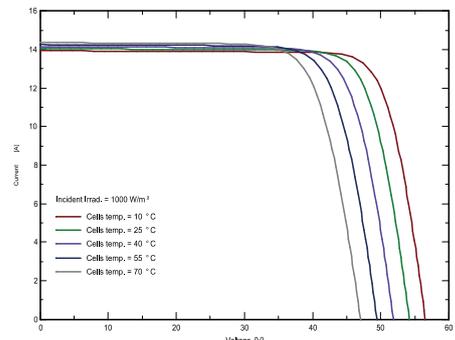


Temperature Ratings

| | |
|------------------------------|-------------|
| Pmax Temperature Coefficient | -0.34 %/° C |
| Voc Temperature Coefficient | -0.26 %/° C |
| Isc Temperature Coefficient | +0.05 %/° 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 | 70%±10% |
| Mechanical Load | Front side 5400 Pa / Back side 2400 Pa |



Specifications are subject to change without further notification SRP-DS-EN-2026V1.0 © Copyright 2026 Seraphim



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