


Seco 585-600w


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

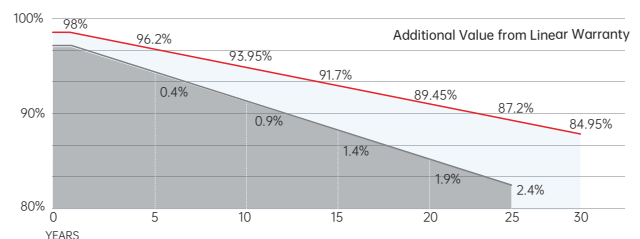
• PRODUCT CERTIFICATION



• INSURANCE

PICC

• WARRANTY



15 YEARS Guarantee on product material and workmanship

30 YEARS Linear power output warranty



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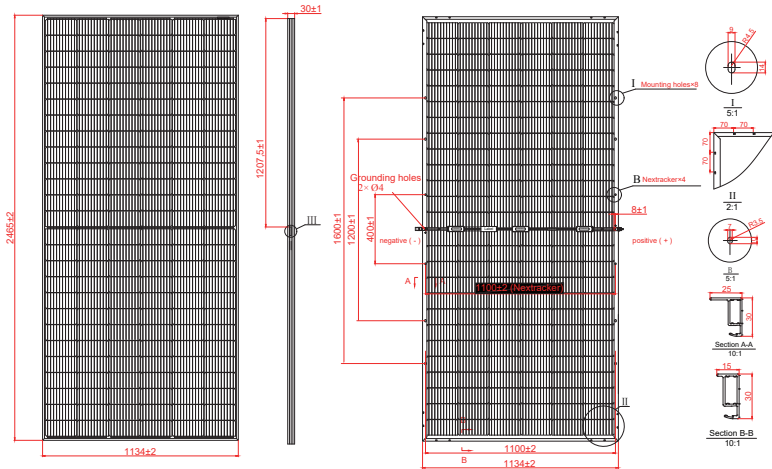
Mechanical Specifications

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

Packing Configuration

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

Technical drawing



Electrical Characteristics

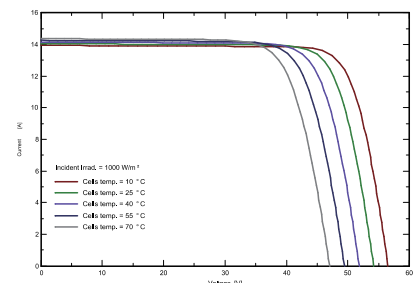
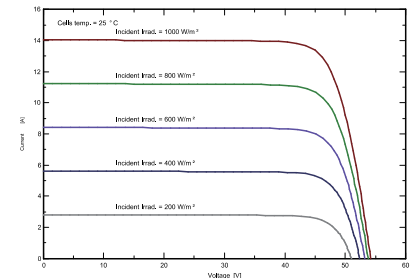
| Module Type | SRP-585-BMZ-BG | | | SRP-590-BMZ-BG | | | SRP-595-BMZ-BG | | | SRP-600-BMZ-BG | | |
|------------------------------------|----------------|------------|----------|----------------|------------|----------|----------------|------------|----------|----------------|------------|----------|
| | 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_{mp} (W) | 585 | 440 | 468 | 590 | 444 | 472 | 595 | 448 | 476 | 600 | 452 | 480 |
| Open Circuit Voltage V_{oc} (V) | 53.63 | 50.95 | 53.61 | 53.83 | 51.14 | 53.81 | 54.03 | 51.33 | 54.01 | 54.23 | 51.52 | 54.21 |
| Short Circuit Current I_{sc} (A) | 13.87 | 11.10 | 11.10 | 13.93 | 11.14 | 11.14 | 13.99 | 11.19 | 11.19 | 14.05 | 11.24 | 11.24 |
| Maximum Power Voltage V_{mp} (V) | 45.01 | 42.28 | 44.99 | 45.21 | 42.50 | 45.19 | 45.41 | 42.72 | 45.39 | 45.61 | 42.93 | 45.59 |
| Maximum Power Current I_{mp} (A) | 13.01 | 10.41 | 10.41 | 13.06 | 10.45 | 10.45 | 13.11 | 10.49 | 10.49 | 13.16 | 10.53 | 10.53 |
| Module Efficiency STC η (%) | 20.93 | | | 21.11 | | | 21.29 | | | 21.46 | | |
| Power Tolerance (W) | (0, +4.99) | | | | | | | | | | | |
| Pmax Temperature Coefficient | -0.34 %/°C | | | | | | | | | | | |
| Voc Temperature Coefficient | -0.26 %/°C | | | | | | | | | | | |
| Isc Temperature Coefficient | +0.05 %/°C | | | | | | | | | | | |

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5
Power measurement tolerance: +/-3%

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



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-2024V1.0 © Copyright 2024 Seraphim

