

SOLE







S O L A R

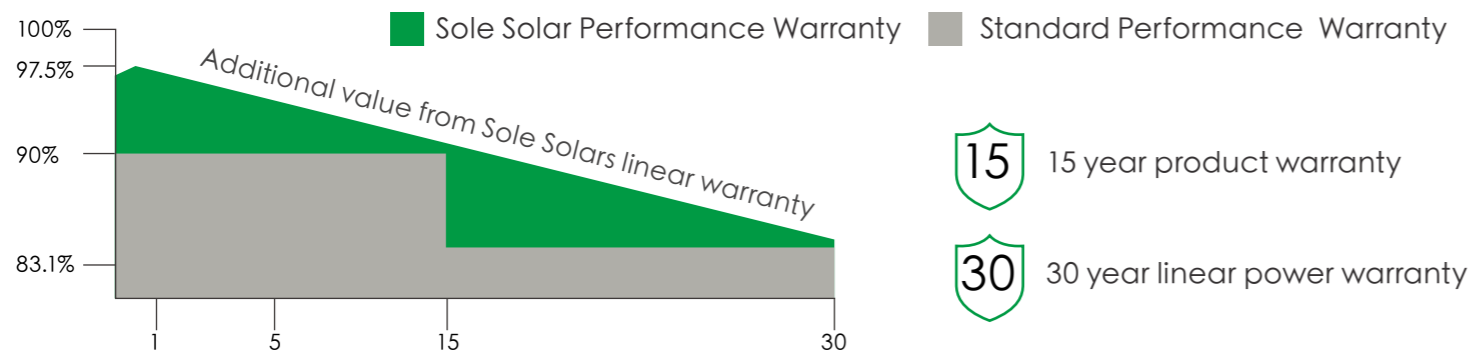
GREEN ENERGY ADVOCATES

480—500W
solar panel with 132 cells 182MM solar cells



Product Feature

| | |
|--|---|
|  <p>M Busbar Solar Cell M busbar solar cell adopts new technology to improve the efficiency of modules</p> |  <p>High Voltage UL and IEC 1500V certified; lowers BOS costs and yields better LCOE</p> |
|  <p>High Efficiency Higher module conversion efficiency (up to 20.37%) benefit from half cell structure (low resistance characteristic)</p> |  <p>Low-light Performance Advanced glass and cell surface textured design ensure excellent performance in low-light environment</p> |
|  <p>Durability of extreme conditions High salt mist and ammonia resistance certified by TUV NORD</p> |  <p>Severe Weather Resilience Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).</p> |



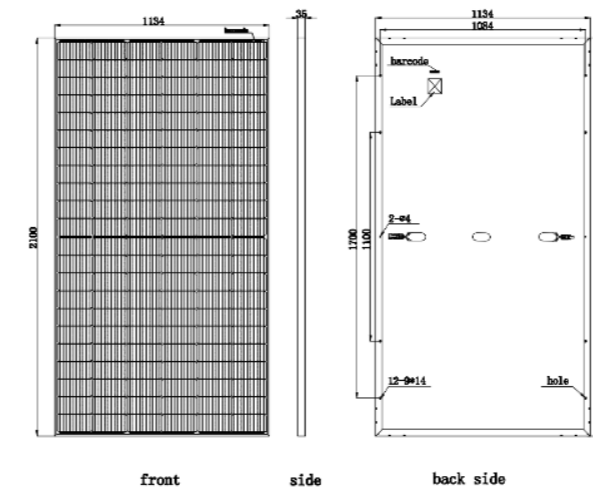
Mono Crystalline Essential Parameter (STC 1000W/M² Cell Temperature 25°C AM=1.5)

| Model Type | SS480S8 | SS485S8 | SS490S8 | SS495S8 | SS500S8 |
|-------------------|--------------|--------------|--------------|--------------|--------------|
| Power(w) | 480 | 485 | 490 | 495 | 500 |
| Number of Cells | 132 (6*22) | 132 (6*22) | 132 (6*22) | 132 (6*22) | 132 (6*22) |
| Dimensions(MM) | 2100*1134*35 | 2100*1134*35 | 2100*1134*35 | 2100*1134*35 | 2100*1134*35 |
| Weight(KG) | 25 | 25 | 25 | 25 | 25 |
| Vmp(v) | 37.65 | 37.83 | 38.04 | 38.25 | 38.43 |
| Imp (A) | 12.75 | 12.82 | 12.88 | 12.94 | 13.01 |
| Voc(v) | 45.12 | 45.38 | 45.62 | 45.87 | 45.98 |
| Isc(A) | 13.64 | 13.70 | 13.76 | 13.81 | 13.87 |
| Module Efficiency | 20.16% | 20.37% | 20.58% | 20.79% | 21.00% |

Mono Crystalline Essential Parameter (NOCT 800W/M² Ambient Temperature 20°C AM=1.5)

| Model Type | SS480S8 | SS485S8 | SS490S8 | SS495S8 | SS500S8 |
|-------------------|--------------|--------------|--------------|--------------|--------------|
| Power(w) | 368.75 | 372.59 | 376.44 | 380.28 | 384.12 |
| Number of Cells | 132 (6*22) | 132 (6*22) | 132 (6*22) | 132 (6*22) | 132 (6*22) |
| Dimensions(MM) | 2100*1134*35 | 2100*1134*35 | 2100*1134*35 | 2100*1134*35 | 2100*1134*35 |
| Weight(KG) | 25 | 25 | 25 | 25 | 25 |
| Vmp(v) | 34.32 | 34.49 | 34.68 | 34.87 | 35.03 |
| Imp (A) | 10.74 | 10.80 | 10.86 | 10.91 | 10.96 |
| Voc(v) | 41.66 | 41.90 | 42.12 | 42.35 | 42.45 |
| Isc(A) | 11.59 | 11.65 | 11.70 | 11.74 | 11.79 |
| Module Efficiency | 20.16% | 20.37% | 20.58% | 20.79% | 21.00% |

Mechanical Drawings



Temperature Rating

| | |
|---|-----------|
| Rated battery operating temperature | 45±2°C |
| Maximum power temperature coefficient | -0.4%/°C |
| Open circuit voltage temperature coefficient | -0.29%/°C |
| Short circuit current temperature coefficient | -0.05%/°C |

Limit parameter

| | |
|----------------------------|--------------|
| Operating temperature | -40-+85°C |
| Maximum system voltage | 1000/1500VDC |
| Maximum fuse rated current | 25A |

Mechanical Characteristics

| | |
|--------------|----------------------------|
| Front | Glass 3.2mm tempered glass |
| Frame | Anodized aluminium alloy |
| Junction Box | IP68 rated |
| Connectors | MC4 compatible |

Packing Configuration

| | |
|-----------------------|------|
| Container | 40GP |
| Pallets per container | 22 |
| Pieces per container | 682 |

CONTACT INFORMATION

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CONTACT US!