

# AMISO SOLAR

## 480—500W

solar panel with 132 cells 182MM solar cells



### Product Feature



#### M Busbar Solar Cell

M busbar solar cell adopts new technology to improve the efficiency of modules



#### High Voltage

UL and IEC 1500V certified; lowers BOS costs and yields better LCOE



#### High Efficiency

Higher module conversion efficiency (up to 20.37%) benefit from half cell structure (low resistance characteristic)



#### Low-light Performance

Advanced glass and cell surface textured design ensure excellent performance in low-light environment



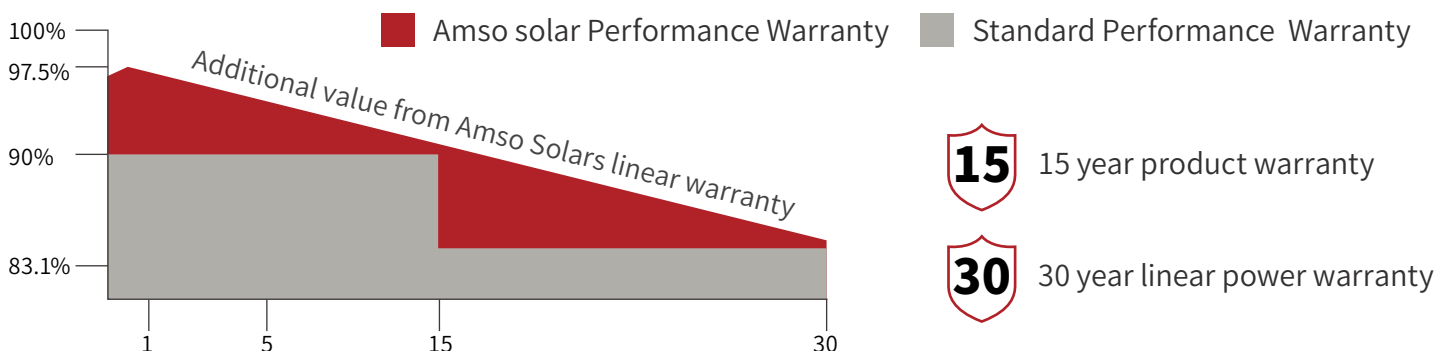
#### Durability of extreme conditions

High salt mist and ammonia resistance certified by TUV NORD



#### Severe Weather Resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



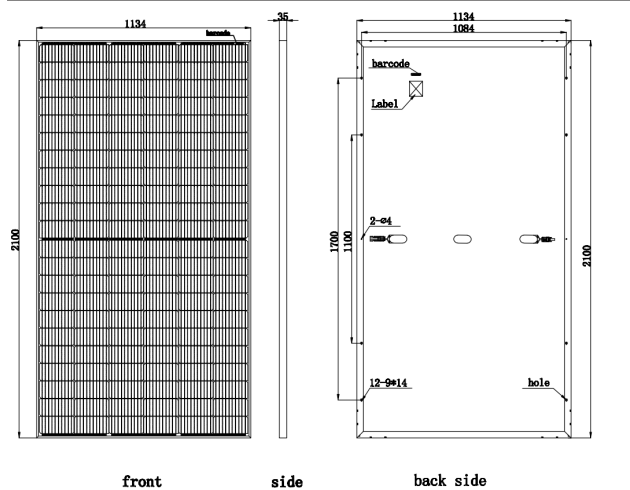
### Mono Crystalline Essential Parameter (STC 1000W/M<sup>2</sup> Cell Temperature 25°C AM=1.5)

| Model Type        | AS480S8      | AS485S8      | AS490S8      | AS495S8      | AS500S8      |
|-------------------|--------------|--------------|--------------|--------------|--------------|
| 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/M<sup>2</sup> Ambient Temperature 20°C AM=1.5)

| Model Type        | AS480S8      | AS485S8      | AS490S8      | AS495S8      | AS500S8      |
|-------------------|--------------|--------------|--------------|--------------|--------------|
| 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!**