

# ALPINE Series

Half-Cell Bifacial Module

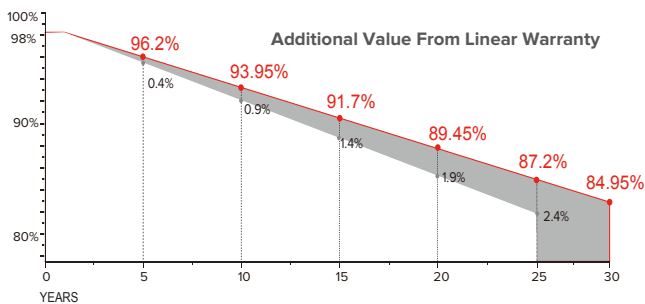
**660-675Wp** | **21.73%**  
 Module Power Output | Max Efficiency



## Key Features

- High module conversion efficiency
- Better temperature coefficient
- Super multi busbar technology
- Low attenuation long warranty
- Superior load capacity
- Higher bifacially
- USA based liability insurance.
- Houston, Texas based company.

## Warranty



**15** <Years> Guarantee on product material and workmanship

**30** <Years> Linear power output warranty

## Product Certification

IEC61215:2016; IEC 61730:2016; UL1703; UL61730

IEC62804 PID

IEC61701 Salt Mist

IEC62716 Ammonia Resistance

IEC60068 Dust and Sand

IEC61215 Hailstone

Fire Type (UL61730):Type29

ISO14001:2015; ISO9001:2015; ISO45001:2018



## About SEG Solar

SEG Solar is a leading manufacturer of high-performance solar panels for residential, commercial, and utility applications. The company, headquartered in Houston, Texas, is committed to providing cost-effective and reliable solar solutions that help customers reduce their energy costs and carbon footprint.



Download Datasheet

## Electrical Characteristics

| Module Type                   | SEG-660-BMC-BG |            |          | SEG-665-BMC-BG |            |          | SEG-670-BMC-BG |            |          | SEG-675-BMC-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 -Pmp(Wp)        | 660            | 496        | 462      | 665            | 500        | 466      | 670            | 504        | 469      | 675            | 507        | 473      |
| Open Circuit Voltage -Voc(V)  | 43.90          | 41.00      | 43.60    | 44.10          | 41.19      | 43.80    | 44.30          | 41.38      | 44.00    | 44.50          | 41.56      | 44.20    |
| Short Circuit Current -Isc(A) | 19.14          | 15.47      | 13.49    | 19.19          | 15.51      | 13.53    | 19.24          | 15.55      | 13.56    | 19.29          | 15.59      | 13.60    |
| Maximum Power Voltage -Vmp(V) | 36.82          | 33.81      | 36.81    | 37.02          | 33.98      | 37.01    | 37.22          | 34.15      | 37.21    | 37.42          | 34.30      | 37.41    |
| Maximum Power Current -Imp(A) | 17.93          | 14.69      | 12.56    | 17.97          | 14.72      | 12.60    | 18.01          | 14.76      | 12.61    | 18.04          | 14.79      | 12.65    |
| Module Efficiency(%)          | 21.25          |            |          | 21.41          |            |          | 21.57          |            |          | 21.73          |            |          |
| Power Tolerance               | (0, +3%)       |            |          |                |            |          |                |            |          |                |            |          |
| Maximum System Voltage        | 1500V DC       |            |          |                |            |          |                |            |          |                |            |          |
| Maximum Series Fuse Rating    | 35 A           |            |          |                |            |          |                |            |          |                |            |          |

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5

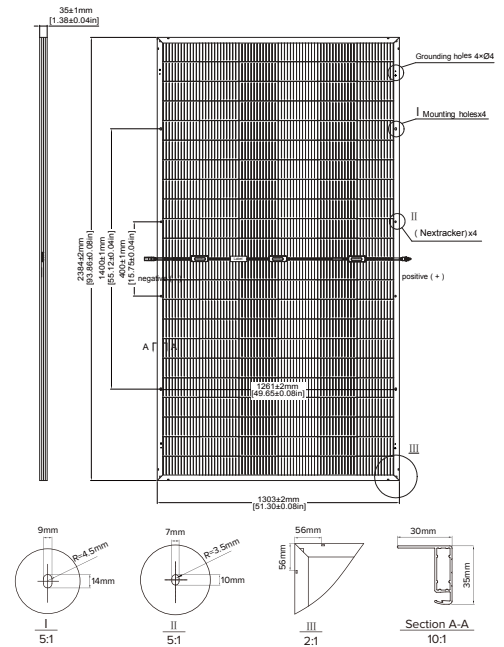
NOCT: Irradiance 800W/m<sup>2</sup> ambient temperature 20°C module temperature 45°C wind speed: 1m/s

## Mechanical Specifications

|                            |  |
|----------------------------|--|
| External Dimension         | 2384 x 1303 x 35 mm  |
| Weight                     | 38.5 kg  |
| Solar Cells                | PERC Mono crystalline(132 pcs)   |
| Front / Back Glass         | 2.0 / mm AR coating semi-tempered glass /low iron  |
| Frame                      | Anodized aluminium alloy   |
| Junction Box               | IP68 / 3 diodes  |
| Connector Type             | PV-CO02-xy   |
| Cable Type<br>Cable Length | 12 AWG PV Wire (UL)<br>Portrait: 400 mm(+)/ 200 mm(-)<br>Landscape: 1200 mm(+)/ 1200 mm(-)<br>or customized length |
| Mechanical Load(Front)     | 5400 Pa / 113 psf*   |
| Mechanical Load(Rear)      | 2400 Pa / 50 psf*  |

\*Refer to SEG installation Manual for details

## Technical Drawing



\*Refer to SEG installation Manual for details

## Packing Configuration

|                       |       |
|-----------------------|-------|
| Container             | 40'HQ |
| Pieces per Pallet     | 31    |
| Pallets per Container | 17    |
| Pieces per Container  | 527   |

## Temperature Characteristics

|   |            |
|---|------------|
| Pmax Temperature Coefficient              | -0.34 %/°C |
| Voc Temperature Coefficient               | -0.27 %/°C |
| Isc Temperature Coefficient               | +0.05 %/°C |
| Operating Temperature                     | -40~+85 °C |
| Nominal Operating Cell Temperature (NOCT) | 45±2 °C    |

## I-V Curve

