

# AURORA SERIES MONO PREC 132-cell MODULE BIFACIAL

### EG-670M66-HU/BF-DG

## 650~670W

0~3%POSITIVE TOLERANCE

#### **KEY FEATURES**



Mbb cell design Multi Busbar cells brings lower resisitance and increased Busbar reflectance ensures higher power output



Low degradation

All single crystal cells are produced by using gallium-doped silicon wafer, which has better anti-degradation ability and ensures durable and stable efficient power generation



High Reliability

Strict in-house testing in PV Lab which is CNAS approved & TUV /VDE certified



**Excellent Low-light Performance** 

Advanced solar cell and glass surface texturing technology allows for excellent performance in low-light environments

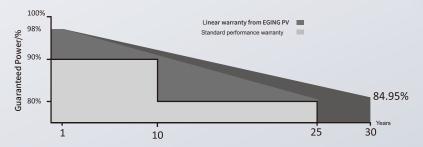
#### LINEAR PERFORMANCE WARRANTY



12 Year Product Warranty



30 Year Linear Power Warranty

















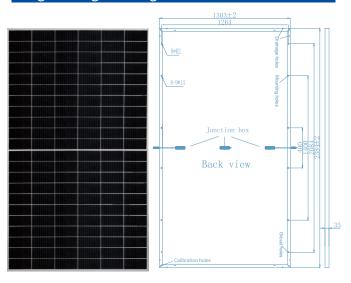


As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to creat together a greener planet.



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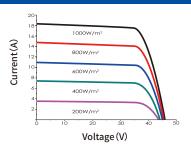
### **Engineering Drawings**

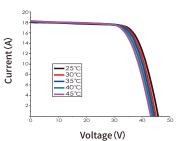






#### I-V Curves





| Packing Configuration  |                |  |
|------------------------|----------------|--|
| Pieces per pallet      | 31             |  |
| Size of packing (mm)   | 1350*1130*2515 |  |
| Weight of packing (kg) | 1235           |  |
| Pieces per container   | 558            |  |
| Size of container      | 40′ HC         |  |

| Electrical Characteristics                              |          |       |       |       |       |
|---|----------|-------|-------|-------|-------|
| Power level   | 650      | 655   | 660   | 665   | 670   |
| Pmax (W)  | 650      | 655   | 660   | 665   | 670   |
| Vmp (V)   | 37.73    | 37.89 | 38.04 | 38.22 | 38.38 |
| Imp (A)   | 17.23    | 17.29 | 17.35 | 17.40 | 17.46 |
| Voc (V)   | 45.56    | 45.71 | 45.85 | 46.02 | 46.20 |
| Isc (A)   | 18.28    | 18.34 | 18.40 | 18.45 | 18.51 |
| Module efficiency (%)                                   | 20.92    | 21.08 | 21.24 | 21.40 | 21.56 |
| Maximum system voltage (V)                              |          |       | 1500  |       |       |
| Fuse Rating (A)   |          |       | 30    |       |       |
| Temperature coefficient Pmax (%/°C                      | <u> </u> |       | -0.34 |       |       |
| Temperature coefficient Isc (%/°C)                      |          |       | 0.04  |       |       |
| Temperature coefficient Voc (%/°C)                      |          |       | -0.25 |       |       |
| STC:Irradiance 1000W/m ,module temperature 25°C, AM=1.5 |          |       |       |       |       |

Bifacial Output-Backside Power Gain

| Dilaci | iai output backside i owei dain |       |       |       |       |       |
|--------|---------------------------------|-------|-------|-------|-------|-------|
| 100/   | Pmax(W)                         | 715   | 720   | 726   | 731   | 737   |
| 10%    | Module efficiency (%)           | 23.02 | 23.18 | 23.37 | 23.53 | 23.73 |
| 20%    | Pmax(W)                         | 780   | 786   | 792   | 798   | 804   |
|        | Module efficiency (%)           | 25.11 | 25.30 | 25.50 | 25.69 | 25.88 |

| Working Characteristics |                                       |   |  |  |
|-------------------------|---------------------------------------|---|--|--|
| 650                     | 655                                   | 660   | 665  | 670  |
| 492                     | 495                                   | 499   | 503  | 507  |
| 34.90                   | 34.99                                 | 35.15   | 35.33  | 35.48  |
| 14.10                   | 14.15                                 | 14.20   | 14.24  | 14.29  |
| 42.37                   | 42.51                                 | 42.64   | 42.80  | 42.97  |
| 14.96                   | 15.01                                 | 15.06   | 15.10  | 15.15  |
|                         |                                       | 0~+3  |  |  |
|                         |                                       | 44±2  |  |  |
|                         | 650<br>492<br>34.90<br>14.10<br>42.37 | 650 655   492 495   34.90 34.99   14.10 14.15   42.37 42.51 | 650 655 660   492 495 499   34.90 34.99 35.15   14.10 14.15 14.20   42.37 42.51 42.64   14.96 15.01 15.06   0~+3 | 650     655     660     665       492     495     499     503       34.90     34.99     35.15     35.33       14.10     14.15     14.20     14.24       42.37     42.51     42.64     42.80       14.96     15.01     15.06     15.10       0~+3 |

NOCT:Conditions:Irradiance 800W/m  $\,$  ,ambient temperature 20  $^{\circ}\!\text{C}, \,$  wind speed 1m/s

| Mechanical Characteristics |                         |  |  |
|----------------------------|-------------------------|--|--|
| Number of cells            | 132pcs                  |  |  |
| Size of cell (mm)          | 210*105                 |  |  |
| Type of cell               | Mono                    |  |  |
| Thickness of glass (mm)    | 2.0                     |  |  |
| Type of frame              | Anodized aluminum alloy |  |  |
| Junction box               | IP68                    |  |  |
| Size of module (mm)        | 2384*1303*35            |  |  |
| Weight (kg)                | 38.3                    |  |  |
| Cables/connectors          | 4mm , MC4 compatible    |  |  |
| Length of Cabel            | Portrait: +300mm/-300mm |  |  |
|                            |                         |  |  |

| Maximum Ratings           |                                      |
|---------------------------|--------------------------------------|
| Operating Temperature(°C) | -40~85                               |
| Operating humidity(°C)    | 5~85                                 |
| Allowable Hail Load       | 25mm ice-ball with velocity of 23m/s |



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