

# STAR SERIES MONO PERC 144-cell MODULE

## EG-560M72-HLV

### 540~560W

0~3% POSITIVE TOLERANCE

### KEY FEATURES



**Mbb cell design**  
Multi Busbar cells brings lower resistance 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

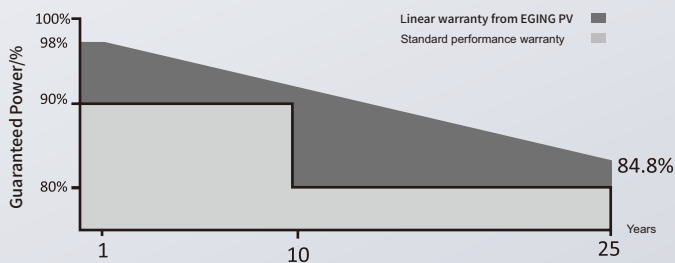


**PID Resistant**  
Excellent PID resistance performance optimized by unique structural design



### LINEAR PERFORMANCE WARRANTY

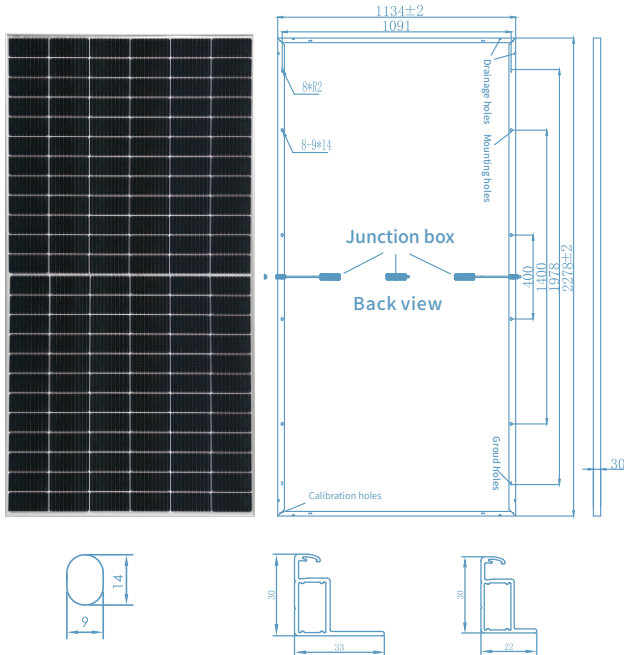
**12** 12 Year Product Warranty **25** 25 Year Linear Power Warranty



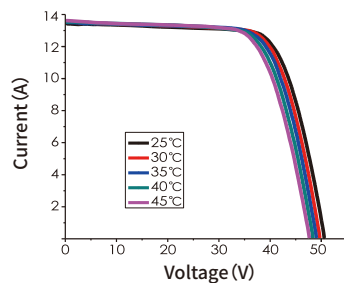
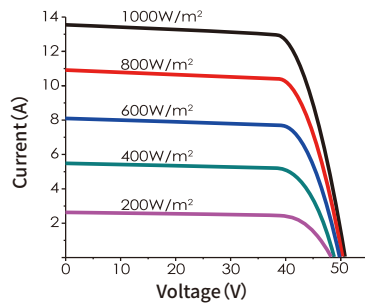
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

# EG-560M72-HLV

## Engineering Drawings



## I-V Curves



## Packing Configuration

|                        |                |
|------------------------|----------------|
| Pieces per pallet      | 36             |
| Size of packing (mm)   | 2320*1135*1255 |
| Weight of packing (kg) | 1022           |
| Pieces per container   | 720            |
| Size of container      | 40' HC         |

## Electrical Characteristics

|                                     |        |       |       |       |       |
|-------------------------------------|--------|-------|-------|-------|-------|
| Power level                         | 540    | 545   | 550   | 555   | 560   |
| Pmax (W)                            | 540    | 545   | 550   | 555   | 560   |
| Vmp (V)                             | 42.03  | 42.25 | 42.48 | 42.70 | 42.92 |
| Imp (A)                             | 12.85  | 12.90 | 12.95 | 13.00 | 13.05 |
| Voc (V)                             | 49.89  | 50.10 | 50.32 | 50.54 | 50.76 |
| Isc (A)                             | 13.60  | 13.65 | 13.70 | 13.75 | 13.80 |
| Module efficiency (%)               | 20.90  | 21.09 | 21.29 | 21.48 | 21.68 |
| Maximum system voltage (V)          | 1500   |       |       |       |       |
| Fuse Rating (A)                     | 25     |       |       |       |       |
| Temperature coefficient Pmax (%/°C) | -0.350 |       |       |       |       |
| Temperature coefficient Isc (%/°C)  | 0.05   |       |       |       |       |
| Temperature coefficient Voc (%/°C)  | -0.275 |       |       |       |       |

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

## Working Characteristics

|                     |       |       |       |       |       |
|---------------------|-------|-------|-------|-------|-------|
| Power level         | 540   | 545   | 550   | 555   | 560   |
| Pmax (W)            | 409   | 412   | 416   | 420   | 424   |
| Vmp (V)             | 38.88 | 39.02 | 39.25 | 39.48 | 39.74 |
| Imp (A)             | 10.52 | 10.56 | 10.60 | 10.64 | 10.67 |
| Voc (V)             | 46.40 | 46.59 | 46.80 | 47.01 | 47.26 |
| Isc (A)             | 11.13 | 11.17 | 11.21 | 11.25 | 11.28 |
| Power tolerance (%) | 0~+3  |       |       |       |       |
| NOCT (°C)           | 44±2  |       |       |       |       |

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

## Mechanical Characteristics

|                         |                                   |
|-------------------------|-----------------------------------|
| Number of cells         | 144pcs                            |
| Size of cell (mm)       | 182*91                            |
| Type of cell            | Mono                              |
| Thickness of glass (mm) | 3.2                               |
| Type of frame           | Anodized aluminum alloy           |
| Junction box            | IP68                              |
| Size of module (mm)     | 2278*1134*30                      |
| Weight (kg)             | 27                                |
| Cables/connectors       | 4mm <sup>2</sup> , 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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Revised in March 2024 1st Edition

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