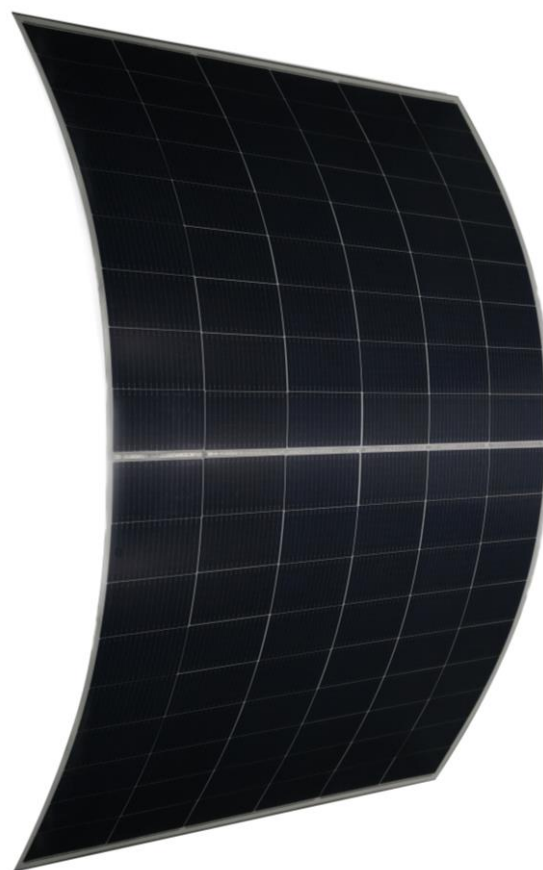




## Solmax

### Light Single Glass N-type -MONO-108



#### N-Technology

N-type modules using Tunnel Oxide Passivating Contacts (TOPCon) technology have lower LID/LeTID attenuation and excellent low light performance.



#### High

High light transmission leads to higher power generation and higher revenue.



#### SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



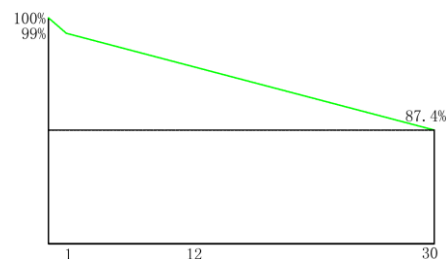
#### Light

Solar modules weight 4.3kg/m<sup>2</sup>, wide range of application.



#### Stabilize

Meet the environmental test, low attenuation, J-Box performs module with an environmental protection rating to IP68.



12-year material warranty  
workmanship warranty

30-year linear warranty

1% First year power degradation

0.4% Linear power decay

- IEC61215:2021 / IEC61730:2023
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environmental Management System
- ISO45001:2018: Occupational Health and Safety Management System



## GEO-PM10-72S

### MECHANICAL CHARACTERISTICS

|                         |                                                                           |
|-------------------------|---------------------------------------------------------------------------|
| Solar Cell              | P-type monocrystalline                                                    |
| Number of cells         | 144 (72×2)                                                                |
| Dimension               | 2278×1134×35 mm                                                           |
| Weight                  | 27.2 kg                                                                   |
| Front Glass             | 3.2 mm, High-transmittance coated glass                                   |
| Back Board              | Transparent white mesh                                                    |
| Frame                   | Anodized aluminum alloy                                                   |
| Junction Box            | IP68 Rated                                                                |
| Safety Protection Level | Class II                                                                  |
| IEC Fire Performance    | Class C                                                                   |
| Connector               | MC4/Others                                                                |
| Cable                   | 4.0mm <sup>2</sup> solar cable (+): 300 mm, (-): 300 mm;<br>Or Customized |

### PACKAGING CONFIGURATION

|                   |                                                                              |
|-------------------|------------------------------------------------------------------------------|
| Pallet Dimensions | 2310×1130×1251 mm                                                            |
| Packing           | 40HC: 31pieces per pallet, 20 pallets<br>per truck, 620 pieces per container |

### ELECTRICAL SPECIFICATIONS (STC)

|                                |            |       |       |       |       |
|--------------------------------|------------|-------|-------|-------|-------|
| Maximum Power [Pmax /W]        | 530        | 535   | 540   | 545   | 550   |
| Maximum Power Voltage [Vmp/V]  | 41.35      | 41.50 | 41.65 | 41.80 | 41.95 |
| Maximum Power Current [Imp/A]  | 12.82      | 12.90 | 12.97 | 13.04 | 13.11 |
| Open-circuit Voltage[Voc /V]   | 49.20      | 49.35 | 49.50 | 49.65 | 49.80 |
| Short Circuit Current[Isc/A]   | 13.71      | 13.78 | 13.85 | 13.92 | 13.99 |
| Module efficiency(%)           | 20.5       | 20.7  | 20.9  | 21.1  | 21.3  |
| Power Tolerance (W)            | 0 ~ + 3%   |       |       |       |       |
| Temperature Coefficient (Pmax) | -0.36%/°C  |       |       |       |       |
| Temperature Coefficient (Voc)  | -0.304%/°C |       |       |       |       |
| Temperature Coefficient (Isc)  | 0.05%/°C   |       |       |       |       |

### ELECTRICAL SPECIFICATIONS(BNPI)

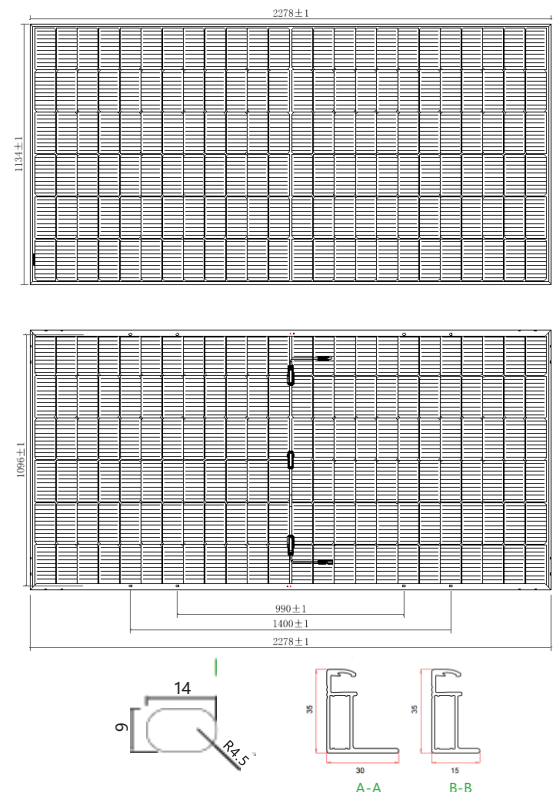
|                                 |                                                                                                                            |       |       |       |       |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|
| Maximum Power [Pmax /W]         | 585                                                                                                                        | 590   | 595   | 600   | 605   |
| Open-circuit Voltage[Voc /V]    | 49.20                                                                                                                      | 49.35 | 49.50 | 49.65 | 49.80 |
| Short Circuit Current[Isc/A]    | 15.08                                                                                                                      | 15.16 | 15.24 | 15.31 | 15.39 |
| Bifacial test conditions (BNPI) | Light intensity: front 1000W/m <sup>2</sup> , back 135W/m <sup>2</sup> , ambient temperature 25°C, atmospheric quality 1.5 |       |       |       |       |

### OPERATING PARAMETERS

|                            |                                           |
|----------------------------|-------------------------------------------|
| Operational Temperature    | -40°C ~ +85°C                             |
| Maximum System Voltage     | 1500VDC (IEC)                             |
| Maximum Series Fuse Rating | 30 A                                      |
| Bifaciality                | φVoc: 98±3 %, φIsc: 80±3 %, φPmax: 80±3 % |

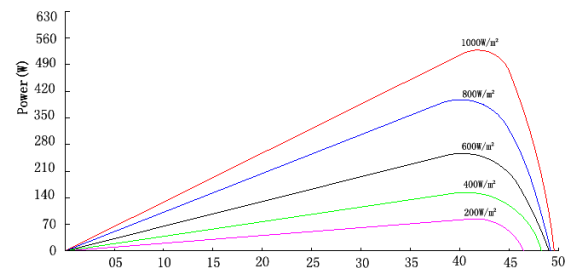
STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5.

### Dimensions



### Curves

#### P-V Curves of PV Module GEO-PM10-72S540w



#### I-V Curves of PV Module GEO-PM10-72S540w

