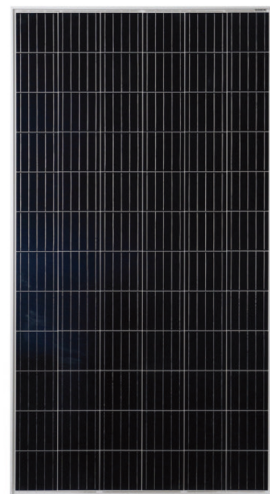


For Global Market



# GH SOLAR

## Polycrystalline PV Module

### GH(310-340)P-72 Series

- High PID resist performance
- Reducing cell series resistance
- Steady power output
- More power output

System voltage 1000V/1500V standard

| 310 | 315 | 320 | 325 | 330 | 335 | 340 |
|-----|-----|-----|-----|-----|-----|-----|
|-----|-----|-----|-----|-----|-----|-----|

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| ELECTRICAL SPECIFICATIONS                          |                |          |          |          |          |          |          |
|----------------------------------------------------|----------------|----------|----------|----------|----------|----------|----------|
| STC rated output (P <sub>mpp</sub> )*              | 310 Wp         | 315 Wp   | 320 Wp   | 325 Wp   | 330 Wp   | 335 Wp   | 340 Wp   |
| PV Module size                                     | 1956*992*40 MM |          |          |          |          |          |          |
| Standard sorted output                             | 0/+5 Wp        |          |          |          |          |          |          |
| Warranted power output STC (P <sub>nominal</sub> ) | 310 Wp         | 315 Wp   | 320 Wp   | 325 Wp   | 330 Wp   | 335 Wp   | 340 Wp   |
| Rated voltage (V <sub>mpp</sub> ) at STC           | 36.75V         | 36.90 V  | 37.05 V  | 37.20 V  | 37.35 V  | 37.50 V  | 37.65 V  |
| Rated current (I <sub>mpp</sub> ) at STC           | 8.44 A         | 8.54 A   | 8.64 A   | 8.74 A   | 8.84 A   | 8.93 A   | 9.03 A   |
| Open circuit voltage (V <sub>oc</sub> ) at STC     | 43.37 V        | 43.54 V  | 43.72 V  | 43.90 V  | 44.07 V  | 44.25 V  | 44.43 V  |
| Short circuit current (I <sub>sc</sub> ) at STC    | 8.94 A         | 9.05 A   | 9.16 A   | 9.26 A   | 9.37 A   | 9.47 A   | 9.57 A   |
| Module efficiency                                  | 16.0%          | 16.3%    | 16.5%    | 16.8%    | 17.1%    | 17.3%    | 17.5%    |
| Rated output (P <sub>mpp</sub> ) at NOCT           | 216.5 Wp       | 220.1 Wp | 223.5 Wp | 227.1 Wp | 230.4 Wp | 233.9 Wp | 237.3 Wp |
| Rated voltage (V <sub>mpp</sub> ) at NOCT          | 33.71 V        | 33.76 V  | 33.80 V  | 33.86 V  | 33.92 V  | 33.98 V  | 34.04 V  |
| Rated current (I <sub>mpp</sub> ) at NOCT          | 6.42 A         | 6.52 A   | 6.61 A   | 6.71 A   | 6.79 A   | 6.88 A   | 6.97 A   |
| Open circuit voltage (V <sub>oc</sub> ) at NOCT    | 41.43 V        | 41.49 V  | 41.70 V  | 41.78 V  | 42.08 V  | 42.15 V  | 42.23 V  |
| Short circuit current (I <sub>sc</sub> ) at NOCT   | 6.90 A         | 7.01 A   | 7.15 A   | 7.26 A   | 7.37 A   | 7.47 A   | 7.57 A   |
| Temperature coefficient (P <sub>mpp</sub> )        | - 0.376%/K     |          |          |          |          |          |          |
| Temperature coefficient (I <sub>sc</sub> )         | +0.043%/K      |          |          |          |          |          |          |
| Temperature coefficient (I <sub>mpp</sub> )        | - 0.008%/K     |          |          |          |          |          |          |
| Temperature coefficient (V <sub>mpp</sub> )        | - 0.370%/K     |          |          |          |          |          |          |
| Temperature coefficient (V <sub>oc</sub> )         | - 0.282%/K     |          |          |          |          |          |          |
| Normal operating cell temperature (NOCT)           | 46±2°C         |          |          |          |          |          |          |

\* Measurement tolerance    +/- 3%

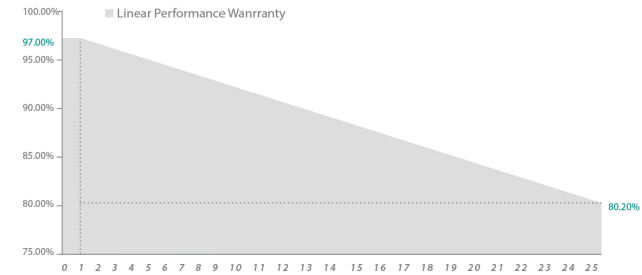


| RELATED PARAMETERS                     |                   |
|----------------------------------------|-------------------|
| Cell type                              | Polycrystalline   |
| Number of cells / cell arrangement     | 72 / 6 x12        |
| Cells dimension                        | 6"                |
| Packing unit                           | 27 modules        |
| Weight of packing unit (for container) | 621 kg / 1369 lbs |

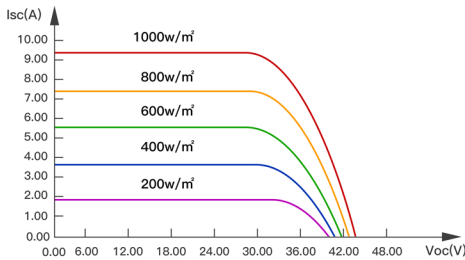
| MECHANICAL SPECIFICATIONS    |                                            |
|------------------------------|--------------------------------------------|
| Outer dimensions (L x W x H) | 1956 x 992 x 40 mm<br>77 x 39.06 x 1.57 in |
| Frame technology             | Aluminum, silver anodized                  |
| Module composition           | Glass / EVA / Backsheet (white)            |
| Weight (module only)         | 21.8 kg / 48.1 lbs                         |
| Front glass thickness        | 3.2 mm / 0.13 in                           |
| Junction box IP rating       | IP 67                                      |
| ① Cable length(IEC)          | 600/900 mm / 23.62/35.43 in                |
| Cable diameter (IEC)         | 12 AWG / 4 mm <sup>2</sup>                 |
| ② Maximum load capacity      | 5400 Pa                                    |
| Fire performance (IEC)       | Class C                                    |
| Connector type (IEC)         | MC4 compatible                             |

Refer to GH Solar crystalline installation manual.

| QUALIFICATION AND LINEAR WARRANTIES                         |                                          |
|-------------------------------------------------------------|------------------------------------------|
| Product standard                                            | IEC61215, 61730                          |
| Extended product warranty                                   | 12 years                                 |
| Output decline 3%/year performance P <sub>mpp</sub> (STC)   | 1 <sup>st</sup> year                     |
| Output decline 0.7%/year performance P <sub>mpp</sub> (STC) | 2 <sup>nd</sup> - 25 <sup>th</sup> years |



I-V Curves of PV module MS325P-72 at various solar irradiance



| MODULE DIMENSION DETAILS |           |           |                     |
|--------------------------|-----------|-----------|---------------------|
| Front view               | Side view | Rear view | Frame cross section |
|                          |           |           |                     |

GH Solar reserves the right of final interpretation.  
Specifications and designs included in this datasheet are subject to change without notice.

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