

Photovoltaic Modules

| Module | GPP300-340W(72) | | | | | | |
|----------------------------------|------------------------------|-------|-------|-------|-------|-------|-------|
| Encapsulation | Glass/EVA/Cell/EVA/Backsheet | | | | | | |
| Size and Number of cells | 156*mm*156mm 72/6*12pcs | | | | | | |
| Maximum Power Pmax | W | 300 | 310 | 320 | 325 | 330 | 340 |
| Maximum Power Voltage (Vmp) | V | 36.72 | 37.55 | 37.85 | 38.02 | 38.16 | 38.25 |
| Maximum Power Current (Imp) | A | 8.17 | 8.26 | 8.46 | 8.55 | 8.65 | 8.89 |
| Open Circuit Voltage (Voc) | V | 45.17 | 46.19 | 46.56 | 46.76 | 46.94 | 47.02 |
| Short Circuit Current (Isc) | A | 8.74 | 8.84 | 9.05 | 9.15 | 9.25 | 9.31 |
| Cell Efficiency | % | 17.12 | 17.69 | 18.26 | 18.55 | 18.83 | 19.40 |
| Module Efficiency | % | 15.48 | 15.99 | 16.49 | 16.72 | 17.01 | 17.52 |
| Tolerance | 0+3% | | | | | | |
| Max System Open Circuit Voltage | 1000V | | | | | | |
| Max Series Fuse Rating | 15A | | | | | | |
| Junction Box (protection degree) | ≥IP67 | | | | | | |
| Dimension | 1956*992*40mm | | | | | | |
| Weight | 21kg | | | | | | |
| Operate Temperature Scope | -40/+85°C | | | | | | |
| Relative Humidity | 0~100% | | | | | | |
| Frame Thinkness | 40/45/50mm | | | | | | |
| Frame Colour | Gold/Brown/Black/Silver | | | | | | |

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1.5; module temperature 25°C. Measuring uncertainty of power is within ±3%. Tolerance of Pmp: 0~+3%. Certified in accordance with IEC61215, IEC61730-1/2.

Temperature Coefficients

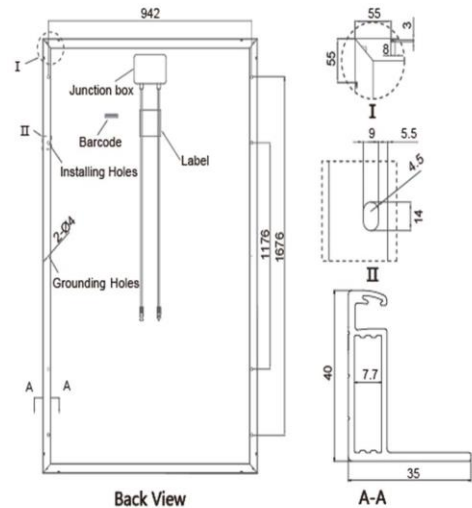
| NOCT | | 45°C±2°C |
|---|-------------------|--------------------|
| Short Circuit Current Temperature Coefficients | $\alpha(I_{sc})$ | +0.045%/°C |
| Open Circuit Voltage Temperature Coefficients | $\beta(V_{oc})$ | -0.292%/°C |
| Peak Power Temperature Coefficients | $\gamma(P_{max})$ | -0.408%/°C |
| Nominal Operating Cell Temperature(NOCT) : 45°C±2°C | | |
| Output | | |
| Cable 4.0mm ² (TUV) | Length 900/1200mm | Connector MC4 type |

Advantage

G&P series modules consist of **poly-crystalline** high efficient silicon cells, which are individually characterized and electronically matched before interconnection and laminated with toughened glass, EVA&Backsheet of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, G&P solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, etc.

Dimensions



I-V Curves

