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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

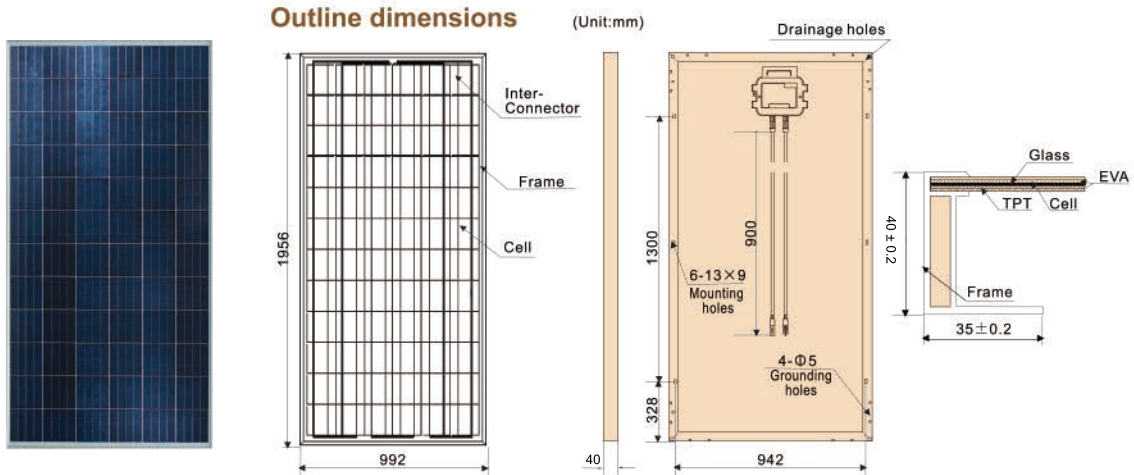
**Himin Clean Energy Holdings Co., Ltd.**

**HG 325-350P**

**HG-325P**

Also available on the web at  
[EnergyPal.com/himin-clean-energy-holdings-co-ltd-solar-panels/hg-325p](http://EnergyPal.com/himin-clean-energy-holdings-co-ltd-solar-panels/hg-325p)

**Module power with 325-350w**



**Specifications**

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| Cell                            | Polycrystalline silicon solar cells 156mm square |
| Number of cells and connections | 72 in series                                     |
| Application                     | DC 24V system                                    |
| Maximum system voltage(V)       | DC 1,000                                         |
| Series fuse rating(A)           | 15                                               |
| Nominal power(W)                | 325-350                                          |
| Dimension(mm)                   | 1956 × 992 × 40                                  |
| Weight(Kg)                      | 22 ± 3%                                          |
| Type of output terminal         | Lead wire with connectors                        |
| Junction box                    | 3 bypass diodes                                  |

**Electro-optical characteristics**

| Parameters             | Symbol          | HG-325P | HG-330P | HG-335P | HG-340P | HG-345P | HG-350P |
|------------------------|-----------------|---------|---------|---------|---------|---------|---------|
| Open circuit voltage   | V <sub>oc</sub> | 46.5V   | 46.8V   | 47.1V   | 47.3V   | 47.5V   | 47.7V   |
| Maximum power voltage  | V <sub>mp</sub> | 38.8V   | 38.9V   | 38.9V   | 39.0V   | 39.2V   | 39.4V   |
| Short circuit current  | I <sub>sc</sub> | 8.96A   | 9.04A   | 9.12A   | 9.21A   | 9.30A   | 9.39A   |
| Maximum power current  | I <sub>mp</sub> | 8.38A   | 8.49A   | 8.62A   | 8.72A   | 8.80A   | 8.88A   |
| Maximum power          | P <sub>m</sub>  | 325W    | 330W    | 335W    | 340W    | 345W    | 350W    |
| Module efficiency      | η               | 16.70%  | 17.0%   | 17.30%  | 17.50%  | 17.80%  | 18.0%   |
| Power output tolerance |                 | 0 ~ +3% | 0 ~ +3% | 0 ~ +3% | 0 ~ +3% | 0 ~ +3% | 0 ~ +3% |

**Packaging specifications**

|                                         |                |
|-----------------------------------------|----------------|
| Number of modules per pallet            | 56             |
| Number of pallets per 40' container     | 11             |
| Packaging box dimensions(L / W / H)(mm) | 2000×1110×2500 |
| Box weight(Kg)                          | 1290           |

**Temperature coefficients**

| Parameters            | Rating         |
|-----------------------|----------------|
| Operating temperature | -40 to + 85 °C |
| Storage temperature   | -40 to + 85 °C |
| αP <sub>m</sub>       | -0.461%/K      |
| αI <sub>sc</sub>      | +0.072%/K      |
| αV <sub>oc</sub>      | -0.335%/K      |
| NOCT                  | 46 ± 2/ °C     |

**Mechanical specifications**

|                      |                                                                                                                   |
|----------------------|-------------------------------------------------------------------------------------------------------------------|
| Cable                | Solar cable, 900mm length, 4mm <sup>2</sup> prefabricated with plugs (male/female)                                |
| Front glass          | Transparent toughened safety glass 3.2mm                                                                          |
| Cell encapsulation   | EVA(Ethylene-Vinyl-Acetate), 0.5mm                                                                                |
| Backside             | Composite film                                                                                                    |
| Frame                | Anodised aluminium cavity frame                                                                                   |
| Maximum surface load | (Screwless) with drainage holes. Entire module certified to withstand high wind loads(2400Pa), snow loads(5400Pa) |
| Hail resistance      | Maximum diameter of 25mm with impact speed 83km/h                                                                 |