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**Solar Panel Guide**

**Specification Data Sheet**

Learn more at [energypal.com/best-solar-panels-for-homes](https://energypal.com/best-solar-panels-for-homes)



## -Home Series

### Reliable PV Power for Solar Home Systems and Pay-As-You-Go Systems

Modules with Compact Design – O-Home Series with Al-Frame for SHS and PAYG Systems



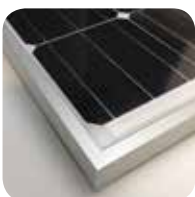
From 12Wp to 270Wp to suit your individual off-grid system requirements.



5 years product warranty with 25 years performance warranty.



Features: Best cost / performance ratio, durable and robust, fluoride-based backsheet, guaranteed power, and TÜV certified.



Compact Design



IP65 Junction Box



Traceability

## -Home Series | Designed with High Efficiency

| Model Name                       |                              | OHP0400 / OHM0400                                                                           | OHP0800 / OHM0800 | OHP1200 / OHM1200 | OHP1500 / OHM1500      | OHP2000      |
|----------------------------------|------------------------------|---------------------------------------------------------------------------------------------|-------------------|-------------------|------------------------|--------------|
| Type in TÜV Certificate          |                              | OPES 36CPdef / 36CMdef                                                                      |                   |                   | OPES 36FPdef / 36FMdef | OPES 72CPdef |
| ELECTRICAL CHARACTERISTICS       | P <sub>max</sub> (W)         | 40                                                                                          | 80                | 120               | 150                    | 200          |
|                                  | V <sub>mpp</sub> (V)         | 18.43                                                                                       | 18.30             | 18.43             | 18.43                  | 18.33        |
|                                  | I <sub>mpp</sub> (A)         | 2.17                                                                                        | 4.37              | 6.51              | 8.14                   | 10.91        |
|                                  | V <sub>oc</sub> (V)          | 22.61                                                                                       | 22.39             | 22.61             | 22.61                  | 22.91        |
|                                  | I <sub>sc</sub> (A)          | 2.32                                                                                        | 4.87              | 7.30              | 9.13                   | 11.81        |
|                                  | Power tolerance (%)          | 0 ~ +10%                                                                                    |                   |                   |                        |              |
| MECHANICAL CHARACTERISTICS       | Module dimensions (mm)       | 440x665x28                                                                                  | 779x665x28        | 1189x665x30       | 1470x665x30            | 1320x981x35  |
|                                  | Cell dimensions (mm)         | 156x39                                                                                      | 156x78            | 156x124.8         | 156x156                | 156x104.5    |
|                                  | Cell type                    | Poly / Mono crystalline silicon                                                             |                   |                   |                        |              |
|                                  | No. of cells and connections | 36 (4x9)                                                                                    |                   |                   |                        | 72 (6x12)    |
|                                  | Front cover                  | 3.2mm tempered glass cleaned by washing machine in-site                                     |                   |                   |                        |              |
|                                  | Encapsulant                  | High quality EVA (Ethylene-Vinyl Acetate) with doing continuous cross-linking tests in-site |                   |                   |                        |              |
|                                  | Frame                        | Anodized aluminum alloy                                                                     |                   |                   |                        |              |
|                                  | Back cover                   | Fluoride-based backsheets in white or black color                                           |                   |                   |                        |              |
|                                  | Junction Box                 | IP65 rated J-Box                                                                            |                   |                   |                        |              |
| WARRANTY & TEMP. CHARACTERISTICS | Weight (kg)                  | 3.9                                                                                         | 6.5               | 10.0              | 12.3                   | 14.8         |
|                                  | NOCT                         | 45+/-2°C                                                                                    |                   |                   |                        |              |
|                                  | Temperature coefficient      | P <sub>max</sub> : -0.42 %/°C, V <sub>oc</sub> : -0.34 %/°C, I <sub>sc</sub> : 0.05 %/°C    |                   |                   |                        |              |
|                                  | Operating temperature range  | -40°C ~ +80°C                                                                               |                   |                   |                        |              |
|                                  | Ambient temperature range    | -40°C ~ +45°C                                                                               |                   |                   |                        |              |
|                                  | Certification                | ISO 9001, ISO 14001, OHSAS 18001, CE, IEC 61215, IEC 61730 TÜV Certified                    |                   |                   |                        |              |
|                                  | Product warranty             | 5 years                                                                                     |                   |                   |                        |              |
|                                  | Performance warranty         | 90% of power output for 10 years and 80% for 25 years                                       |                   |                   |                        |              |

At STC (1000W/m<sup>2</sup>, 25°C, 1.5AM)

For more details or other specification not included above, please do feel free to contact with us via the information below

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