

Solar Panel Database

Panel Model Names Contain:

By Manufacturers

By Cell Types

All Panel List

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PW 1000-100W Solar Panel from Photowatt International SAS

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Specifications

| Electrical Characteristics | |
|--|--|
| STC Power Rating P_{mp} (W) | 100 |
| Open Circuit Voltage V_{oc} (V) | 43.2 |
| Short Circuit Current I_{sc} (A) | 3.00 |
| Voltage at Maximim Power V_{mp} (V) | 34.4 |
| Current at Maximim Power I_{mp} (A) | 2.90 |
| Panel Efficiency | 11.1% |
| Fill Factor | 77.2% |
| Power Tolerance | -4.90% ~ 0.00% |
| Maximum System Voltage V_{max} (V) | 600 |
| Maximum Series Fuse Rating (A) | |
| Temperature Coefficients | |
| Temperature Coefficiency of I_{sc} | 0.030 %/°C |
| Temperature Coefficiency of V_{oc} | -0.47 %/°C |
| Temperature Coefficiency of P_{mp} | |
| Mechanical Characteristics | |
| Cell Type | Polycrystalline Cell |
| Cell Size(mm) | |
| Cells | 72 |
| Dimensions | 1335.0 × 673.0 × 24.5mm (26.5 × 52.6 × 1.0 inch) |
| Weight | 10.5Kg (23.1 lbs) |
| Junction Box (Safety Rating, Bypass Diodes) | |
| Positive Cable (Length, Cable Cross-Section) | |
| Negative Cable (Length, Cable Cross-Section) | |
| Plug Connector (Type, Safety) | junction box others |
| Front Cover (Thickness,Material) | |
| Backsheet Cover (Color, Thickness, Material) | |
| Encapsulation Materials | |
| Frame Material | aluminum |
| Operation Conditions | |
| Nominal Operating Cell Temperature (NOCT) | |
| Operating Temperature | |
| Maximum Load | |
| Hail Storm Rating | |
| Fire Safety Rating | |
| Warranty & Certification | |
| Certificates | |
| Defects & Workmanship Warranty Period | |
| 90% Power Output Warranty Period | |
| 80% Power Output Warranty Period | |
| Are Warranties Insured By Third Party | |

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