Monocrystalline PERC PV module 60 cells

Power Output: 300-325 Watt
Max. Efficiency: 20.0%

High Mechanical Load
Certified to withstand high wind and snow loads up to 5400Pa

Outstanding Temperature Coefficients
Reduces power loss for solar modules operating in high temperature climates

Anti-reflective Surface
Increases the panel's exposure and efficiency of converting sunlight into energy

High Efficiency & PERC
Monocrystalline cells (with the option of PERC) allow a higher yield

Excellent Low-Light Performance
Tier 1 certified solar cells allow better performance in low-light environments

Salt Mist and Ammonia Resistant
Certified by Bureau Veritas to withstand usage near coastal environments

PID resistant
Designed to minimise cell degradation in extreme environments

Secure Investment

Upsolar provides exceptional product coverage for all modules to ensure our customers achieve superior long-term value from their solar installations. To further improve our product warranty, which covers unanticipated module damage, we’ve recently expanded our terms from a 10-year period to a 12-year period.

In addition, Upsolar offers a 25-year performance guarantee known as the Linear Module Warranty. Whereas traditional policies feature a single trigger point leading to drastic coverage reductions after just 10 years, Upsolar’s coverage more accurately corresponds to system performance, providing coverage for over 25 years.

Overall, our goal is to deliver not only top-notch modules, but also peace of mind, for decades to come.

*Upsolar has expanded its manufacturing operations in Asia, Europe and North America, keeping its modules duty-free in the event of new CVD or AD policies. Please ask about pricing, payment terms and conditions to meet your needs.

www.upsolar.com
Mono Series | 6” PV Module 60 cells

Electrical Characteristics @ STC*

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<tr>
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<tbody>
<tr>
<td>Max Power Pm (Wp)</td>
<td>300</td>
<td>305</td>
<td>310</td>
<td>315</td>
<td>320</td>
<td>325</td>
</tr>
<tr>
<td>Max Power Voltage Vm (V)</td>
<td>32.5</td>
<td>32.7</td>
<td>32.9</td>
<td>33.1</td>
<td>33.3</td>
<td>33.5</td>
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<tr>
<td>Max Power Current Im (A)</td>
<td>9.23</td>
<td>9.33</td>
<td>9.42</td>
<td>9.52</td>
<td>9.61</td>
<td>9.70</td>
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<tr>
<td>Open-Circuit Voltage Voc (V)</td>
<td>39.8</td>
<td>40.0</td>
<td>40.2</td>
<td>40.4</td>
<td>40.6</td>
<td>40.8</td>
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<tr>
<td>Short-Circuit Current Isc (A)</td>
<td>9.70</td>
<td>9.80</td>
<td>9.90</td>
<td>10.00</td>
<td>10.10</td>
<td>10.20</td>
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<tr>
<td>Module Efficiency</td>
<td>18.4%</td>
<td>18.7%</td>
<td>19.1%</td>
<td>19.4%</td>
<td>19.7%</td>
<td>20.0%</td>
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<tr>
<td>Maximum System Voltage (V)</td>
<td>1000(IEC)/1000(UL) or 1500(IEC)/1500(UL)</td>
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<tr>
<td>Power Tolerance</td>
<td>0/+3%</td>
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<tr>
<td>Series Fuse Rating (A)</td>
<td>20A</td>
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STC: Irradiance 1000 W/m², Module temperature 25°C, AM=1.5

Components & Mechanical Data

Front Glass | High Transparency Tempered Glass 0.157” // 3.2 mm
Junction Box | IP 67 or above
Bypass Diode | 3 diodes
Output Cables | 1.0 m // IEC, UL approved (4 mm², 12AWG) (PV Wire Type)
Connectors | MC4 compatible (IP67, IEC and UL approved)
Frame | Anodized aluminium alloy type 6063-T5
Encapsulation Material | EVA
Back Sheet | White multilayer polymer film
Temperature Range | -40°F to +194°F // -40°C to +90°C
Max Load | 75 lbs / ft² (UL Standard) // 5400 Pa (IEC Standards)
Impact Resistance | Steel ball - 1.18 lbs // 535 g dropped from 51” // 1.3 m high

Specifications

Cells | Monocrystalline silicon solar cells 6" x 6" // 156.75 mm x 156.75 mm
Number of Cells | 60 (6 x 10)
Dimensions ( in // mm) | 64.57 x 39.06 x 13.8 // 1640 x 992 x 35
Weight ( lb // kg) | 40.8 // 185

Temperature Coefficients

| NOCT (°C) | 45 ± 2 |
| Temperature Coefficients of Isc (% / °C) | 0.05 ± 0.01 |
| Temperature Coefficients of Voc (% / °C) | 0.30 ± 0.02 |
| Temperature Coefficients of Im (% / °C) | 0.02 ± 0.02 |
| Temperature Coefficients of Vm (% / °C) | 0.41 ± 0.03 |
| Temperature Coefficients of Pm (% / °C) | 0.39 ± 0.05 |

IV Curves

Options Available

SolarEdge Integrated
Tigo Integrated

Upsolar is not responsible for damages caused by errors or omissions on this data sheet. All information is subject to change without notice.