HELIENE INC. IS A PREMIER SOLAR MODULE MANUFACTURER, SERVICING THE GROWING SOLAR ENERGY MARKETS OF NORTH AMERICA.

COMBINING PROVEN EUROPEAN TECHNOLOGY WITH NORTH AMERICAN INGENUITY ALLOWS HELIENE TO MAKE A REAL COMMITMENT IN PROVIDING SMARTER ENERGY CHOICES FOR THE FUTURE.

HELIENE
www.heliene.com
**ELECTRICAL DATA (STC)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value (Wp)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak Rated Power</td>
<td>310</td>
</tr>
<tr>
<td>Maximum Power Voltage</td>
<td>33.44</td>
</tr>
<tr>
<td>Maximum Power Current</td>
<td>9.66</td>
</tr>
<tr>
<td>Open Circuit Voltage</td>
<td>40.13</td>
</tr>
<tr>
<td>Short Circuit Current</td>
<td>10.22</td>
</tr>
<tr>
<td>Module Efficiency</td>
<td>18.78</td>
</tr>
<tr>
<td>Maximum Series Fuse Rating</td>
<td>20</td>
</tr>
<tr>
<td>Power Output Tolerance</td>
<td>-0 , +4.99</td>
</tr>
</tbody>
</table>

**STC** - Standard Test Conditions: Irradiation 1000 W/m² - Air mass AM 1.5 - Cell temperature 25 °C

* Calculated using maximum power based on full positive output tolerance [-0 , +4.99] Wp

**MECHANICAL DATA**

- Dimensions (L x W x D): 1666 x 1001 x 40 mm (65.5 x 39.4 x 1.6 inch)
- Weight*: 22 kg (48.5 lbs)
- Output Cables: 1.0 m (39.4 inch) symmetrical cables with MC4 type connectors
- Junction Box: IP-67 rated with bypass diodes
- Frame: Double webbed 15 micron anodized aluminum alloy
- Front Glass: Low-iron content, high-transmission PV solar glass
- Solar Cells: 60 Monocrystalline cells (159 x 159 mm)

* Calculated using 3.2mm PV glass, if 4mm profile is requested weight load will vary

**CERTIFICATIONS**

- UL Certification: ULC/ORD-C1703-1, UL1703
- IEC Certification: Optional

All Heliene modules are certified under the California Energy Commission (CEC) Listing Report

**TEMPERATURE RATINGS**

- Nominal Operating Cell Temperature (NOC): +45°C (±2°C)
- Temperature Coefficient of P<sub>max</sub>: -0.38%/°C
- Temperature Coefficient of V<sub>oc</sub>: -0.36%/°C
- Temperature Coefficient of I<sub>s</sub>: 0.07%/°C

**PACKAGING CONFIGURATION**

- Modules per box: 26 pieces
- Modules per 53’ trailer: 936 pieces

**MAXIMUM RATINGS**

- Operational Temperature: -40°C - +85°C
- Max System Voltage: 1000V (*1500V) *Optional

**WARRANTY**

- 10 Year Manufacturer’s Workmanship Warranty
- 25 Year Linear Power Guarantee

(Refer to product warranty page for details)

**CAUTION**: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT. Specifications included in this datasheet are subject to change without notice.