60 Cell
Monocrystalline
PV Module

INDUSTRY LEADING WARRANTY
All our products include an industry leading 25-year product workmanship and 30-year performance warranty.

35+ YEARS OF SOLAR INNOVATION
Leveraging over 35+ years of worldwide experience in the solar industry, Silfab is dedicated to superior manufacturing processes and innovations such as Bifacial and Back Contact technologies, to ensure our partners have the latest in solar innovation.

NORTH AMERICAN QUALITY
Silfab is the leading automated solar module manufacturer in North America. Utilizing premium quality materials and strict quality control management to deliver the highest efficiency, premium quality PV modules 100% made in North America.

BAA / ARRA COMPLIANT
Silfab panels are designed and manufactured to meet Buy American Act Compliance. The US State Department, US Military and FAA have all utilized Silfab panels in their solar installations.

LIGHT AND DURABLE
Engineered to accommodate low load bearing structures up to 5400Pa. The light-weight frame is exclusively designed for wide-ranging racking compatibility and durability.

LOWEST DEFECT RATE
Total automation ensures strict quality controls during the entire manufacturing process at our ISO certified facilities.

DOMESTIC PRODUCTION
Silfab Solar manufactures PV modules in two automated locations within North America. Our 500+ North American team is ready to help our partners win the hearts and minds of customers, providing customer service and product delivery that is direct, efficient and local.

AESTHETICALLY PLEASING
All black sleek design, ideal for high-profile residential or commercial applications.

PID RESISTANT
PID Resistant due to advanced cell technology and material selection. In accordance to IEC 62804-1.
**Electrical Specifications**

**SIL-310 ML mono PERC**

**Test Conditions**
- Module Power (Pmax): 310 Wp
- Maximum power voltage (Vpmax): 33.05 V
- Maximum power current (Ipmax): 9.38 A
- Open circuit voltage (Voc): 40.25 V
- Short circuit current (Isc): 9.93 A
- Module efficiency: 18.2%
- Maximum system voltage (VDC): 1000 V
- Power Tolerance: 0 to +10 W

**Temperature Ratings**

**SIL-310 ML mono PERC**

- Temperature Coefficient Isc: -0.064 %/°C
- Temperature Coefficient Voc: -0.28 %/°C
- Temperature Coefficient Pmax: -0.36 %/°C
- NOCT: 45 °C
- Operating temperature: -40/+85 °C

**Mechanical Properties and Components**

<table>
<thead>
<tr>
<th>Metric</th>
<th>Imperial</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module weight</td>
<td>18.6 kg ±0.2 kg</td>
</tr>
<tr>
<td>Dimensions (H x L x D)</td>
<td>1700 mm x 1000 mm x 38 mm</td>
</tr>
<tr>
<td>Maximum surface load (wind/snow)*</td>
<td>4000 Pa rear load / 5400 Pa front load N/m²</td>
</tr>
<tr>
<td>Cell resistance</td>
<td>0.25 mm at 83 km/h</td>
</tr>
<tr>
<td>Glass</td>
<td>3.2 mm high transmittance, tempered, DSM anti-reflective coating</td>
</tr>
<tr>
<td>Backsheet</td>
<td>High durability, superior hydrolysis resistance, multi-layer dielectric film</td>
</tr>
<tr>
<td>Frame</td>
<td>Anodized Aluminum (Black)</td>
</tr>
<tr>
<td>Bypass diodes</td>
<td>3 diodes-30SQ045T (45V max DC blocking voltage, 30A max forward rectified current)</td>
</tr>
<tr>
<td>Junction Box</td>
<td>UL 3730 Certified, IP67 rated</td>
</tr>
</tbody>
</table>

**Warranties**

**SIL-310 ML mono PERC**

- Module product workmanship warranty: 25 years**
- Linear power performance guarantee: ≥ 97% end 1st year, ≥ 90% end 12th year, ≥ 82% end 25th year, ≥ 80% end 30th year

**Certifications**

**SIL-310 ML mono PERC**

- Product: ULC ORD C1703, CEC listed, IEC 62716 Ammonia Corrosion; IEC61701:2011 Salt Mist Corrosion Certified, UL Fire Rating: Type 2
- Factory: ISO9001:2015

---

*Warning. Read the Safety and Installation Manual for mounting specifications and before handling, installing, and operating modules.

**12 year extendable to 25 years subject to registration and conditions outlined under “Warranty” at www.silfabsolar.com.

Third-party generated pan files from Fraunhofer-Institute for Solar Energy Systems ISE are available for download at: www.silfabsolar.com/downloads

---

Silfab Solar Inc.
240 Courtneypark Drive East
Mississauga ON L5T 2Y3 Canada
Tel +1 905-255-2501 | Fax +1 905-696-0267
info@silfabsolar.com | www.silfabsolar.com

Silfab Solar Inc.
800 Cornwall Ave
Bellingham WA 98225 USA
Tel +1 360-569-4733

Silfab Solar Inc.
800 Cornwall Ave
Bellingham WA 98225 USA