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 entrusted 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. 48.18 ppm as per December 2018.

DOMESTIC PRODUCTION
Silfab is 100% North American which means our customer service is direct, efficient and local. Your solar panels can be delivered anywhere in the Continental USA within days.

AESTHETICALLY PLEASING
All black sleek design doesn’t compromise on quality.

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

<table>
<thead>
<tr>
<th>Test Conditions</th>
<th>SILFAB SLA Monocrystalline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module Power (Pmax)</td>
<td>Wp 310</td>
</tr>
<tr>
<td>Maximum power voltage (Vpmax)</td>
<td>33.05</td>
</tr>
<tr>
<td>Maximum power current (IPmax)</td>
<td>9.38</td>
</tr>
<tr>
<td>Open circuit voltage (Voc)</td>
<td>40.25</td>
</tr>
<tr>
<td>Short circuit current (Isc)</td>
<td>9.93</td>
</tr>
<tr>
<td>Module efficiency</td>
<td>% 19.0</td>
</tr>
<tr>
<td>Maximum system voltage (VDC)</td>
<td>1000</td>
</tr>
<tr>
<td>Series fuse rating</td>
<td>A 20</td>
</tr>
<tr>
<td>Power Tolerance</td>
<td>Wp -0/+5</td>
</tr>
</tbody>
</table>

Measurement conditions: STC 1000 W/m² • AM 1.5 • Temperature 25 °C • NOCT 800 W/m² • AM 1.5 • Measurement uncertainty ≤ 3%.

• Sun simulator calibration reference modules from Fraunhofer Institute. Electrical characteristics may vary by ±5% and power by -0/+5W.

### Temperature Ratings

| Temperature Coefficient Isc | %/K 0.03 |
| Temperature Coefficient Voc | %/K -0.30 |
| Temperature Coefficient Pmax | %/K -0.38 |
| NOCT (± 2°C)                | °C 45    |
| Operating temperature      | °C -40/+85 |

### Mechanical Properties and Components

| Module weight (± 2.2 lbs) | lbs 41.88 |
| Dimensions (H x L x D; ± .04 inch) | inch 64.96 x 38.98 x 1.5 |
| Maximum surface load (wind/snow)* | psf 112 |
| Hail impact resistance     | ø 0.98 inch at 51.57mph |
| Cells                      | 60 - Si monocrystalline - 5 busbar - 6.17 x 6.17 inch |
| Glass                      | 0.125 inch high transmittance, tempered, antireflective coating |
| Backsheet                  | Multilayer polyester-based (Black cell-side) |
| Frame                      | Anodized Al (Black) |
| Bypass diodes              | 3 diodes, 20SQ040 (45V, 20A) IP67/IP68 Junction Box |
| Cables and connectors (See installation manual) | 47.24 inch ø 0.22 inch 0.15, MC4 compatible |

### Warranties

**Module product workmanship warranty**
- 25 years**
- 30 years
- ≥ 97% end of 1st year
- ≥ 90% end of 2nd year
- ≥ 85% end of 4th year
- ≥ 70% end of 5th year
- ≥ 60% end of 8th year
- ≥ 50% end of 10th year
- ≥ 40% end of 12th year
- ≥ 30% end of 15th year
- ≥ 20% end of 18th year
- ≥ 10% end of 20th year
- ≥ 5% end of 25th year
- ≥ 2% end of 30th year

**Linear power performance guarantee**
- ≥ 97% end of 1st year
- ≥ 90% end of 2nd year
- ≥ 85% end of 4th year
- ≥ 70% end of 5th year
- ≥ 60% end of 8th year
- ≥ 50% end of 10th year
- ≥ 40% end of 12th year
- ≥ 30% end of 15th year
- ≥ 20% end of 18th year
- ≥ 10% end of 20th year
- ≥ 5% end of 25th year
- ≥ 2% end of 30th year

### Certifications

**Product**
- ULC ORD C1703, UL 1703, IEC 61215, IEC 61730-1 and IEC 61730-2 Certified.
- CEC listed. IEC 62716 Ammonia Corrosion, IEC 61701:2011 Salt Mist Corrosion Certified
- UL Fire Rating: Type 2 (Type 1 on request)

**Factory**
- ISO9001:2015

*Please refer to the Safety and Installation Manual for mounting specifications.

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

⚠️ Warning: Read the installation and User Manual before handling, installing and operating modules.

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

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