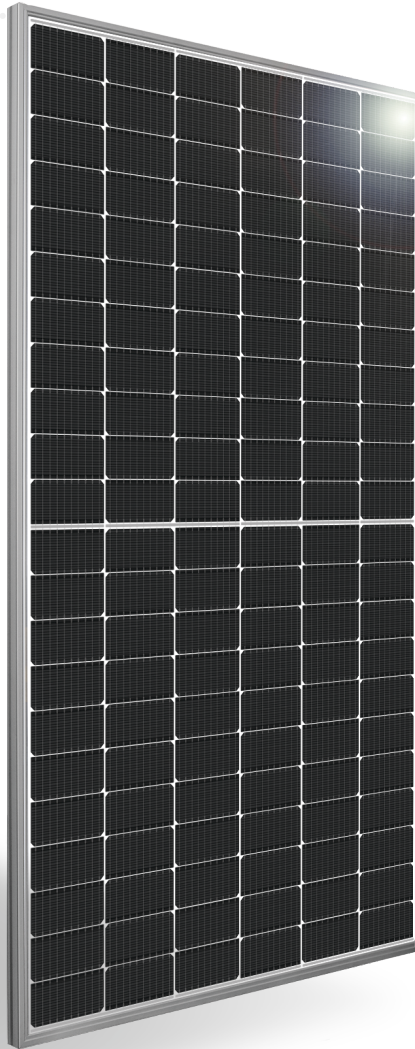


SILFAB
COMMERCIAL **NTC**

SILFAB
SOLAR®

SIL-530 XM
BIFACIAL



• NEXT-GENERATION N-TYPE CELL TECHNOLOGY

- Improved Shade Tolerance
- Improved Low-Light Performance
- Increased Performance in High Temperatures
- Efficient Bifacial Energy Yield
- Enhanced Durability
- Reduced Degradation Rate
- 25-Year Product Warranty/
30-Year Performance Warranty



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| ELECTRICAL SPECIFICATIONS | | 530 | | |
|-------------------------------|----|-------|----------|-------|
| Test Conditions | | STC | BSTC | NOCT |
| Module Power (Pmax) | Wp | 530 | 578.2 | 391.3 |
| Maximum power voltage (Vpmax) | V | 41.05 | 41.05 | 37.76 |
| Maximum power current (Ipmax) | A | 12.91 | 14.08 | 10.36 |
| Open circuit voltage (Voc) | V | 47.74 | 47.79 | 43.91 |
| Short circuit current (Isc) | A | 13.71 | 14.96 | 11.00 |
| Module efficiency | % | 22.3% | | |
| Maximum system voltage (VDC) | V | | 1500 | |
| Series fuse rating | A | | 30 | |
| Power Tolerance | Wp | | 0 to +10 | |
| Bifaciality Factor | % | | 80±5 | |

Performance conditions: Measurement tolerance $\leq 3\%$ • Standard Test Conditions (STC): 1000 W/m², AM 1.5, Temperature 25 °C • Nominal Operating Cell Temperature (NOCT): 800 W/m², AM 1.5 • Bifacial Standard Test Conditions (BSTC): 1000 W/m² + $\phi \times 135$ W/m², $\phi = 80\%$, AM 1.5 • Electrical characteristics may vary by $\pm 5\%$.

| MECHANICAL PROPERTIES / COMPONENTS | METRIC | IMPERIAL |
|--|---|---|
| Module weight | 26.2 kg ± 0.2 kg | 57.8 lbs ± 0.4 lbs |
| Dimensions (H x L x D) | 2098 mm x 1133 mm x 35 mm | 82.6 in x 44.6 in x 1.4 in |
| Maximum surface load (wind/snow)* | 2400 Pa rear load / 5400 Pa front load | 50.1 lb/ft ² rear load / 112.8 lb/ft ² front load |
| Hail impact resistance | ϕ 25 mm at 83 km/h | ϕ 1 in at 51.6 mph |
| Cells | 132 Half cells - N-Type Silicon solar cell 91 x 182 mm | 132 Half cells - N-Type Silicon solar cell 3.58 x 7.16 in |
| Glass | 3.2 mm high transmittance, tempered, DSM antireflective coating | 0.126 in high transmittance, tempered, DSM antireflective coating |
| Cables and connectors (refer to installation manual) | 1350 mm, ϕ 5.7 mm, EVO2 from Staubli | 53.1 in, ϕ 0.22 in (12AWG), EVO2 from Staubli |
| Backsheet | High durability, superior hydrolysis and UV resistance, multi-layer dielectric film, fluorine-free clear PV backsheet | |
| Frame | Anodized Aluminum (Silver) | |
| Junction Box | UL 3730 Certified, IEC 62790 Certified, IP68 rated, 3 diodes | |

| TEMPERATURE RATINGS | | WARRANTIES | |
|--------------------------------|------------|-------------------------------------|---|
| Temperature Coefficient Isc | 0.04 %/°C | Module product workmanship warranty | 25 years** |
| Temperature Coefficient Voc | -0.24 %/°C | Linear power performance guarantee | 30 years |
| Temperature Coefficient Pmax | -0.29 %/°C | | $\geq 98\%$ end 1st yr $\geq 94.7\%$ end 12th yr $\geq 90.8\%$ end 25th yr $\geq 89.3\%$ end 30th yr |
| NOCT ($\pm 2^\circ\text{C}$) | 45 °C | | |
| Operating temperature | -40/+85 °C | | |

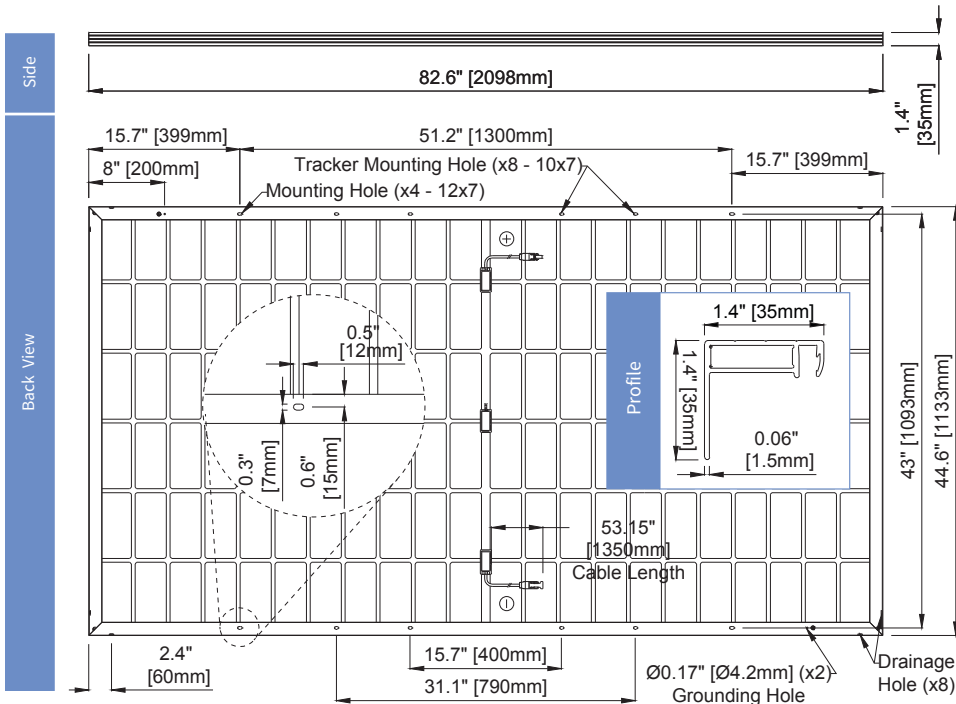
| CERTIFICATIONS | | SHIPPING SPECS | |
|----------------|--|---------------------|-------------------------|
| Product | UL 61215***, UL 61730***, CSA C22.2#61730***, IEC 61215***, IEC 61730***, IEC 61701 (Salt Mist Corrosion), IEC 62716 (Ammonia Corrosion), CEC Listing***, UL Fire Rating: Type 1 | Modules Per Pallet: | 29 or 29 (California) |
| Factory | ISO9001:2015 | Pallets Per Truck | 24 or 23 (California) |
| | | Modules Per Truck | 696 or 667 (California) |

* **▲** 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 silfab.com.

PAN files generated from 3rd party performance data are available for download at: silfab.com/downloads.

*** Certification and CEC listing in progress.



SILFAB SOLAR INC.