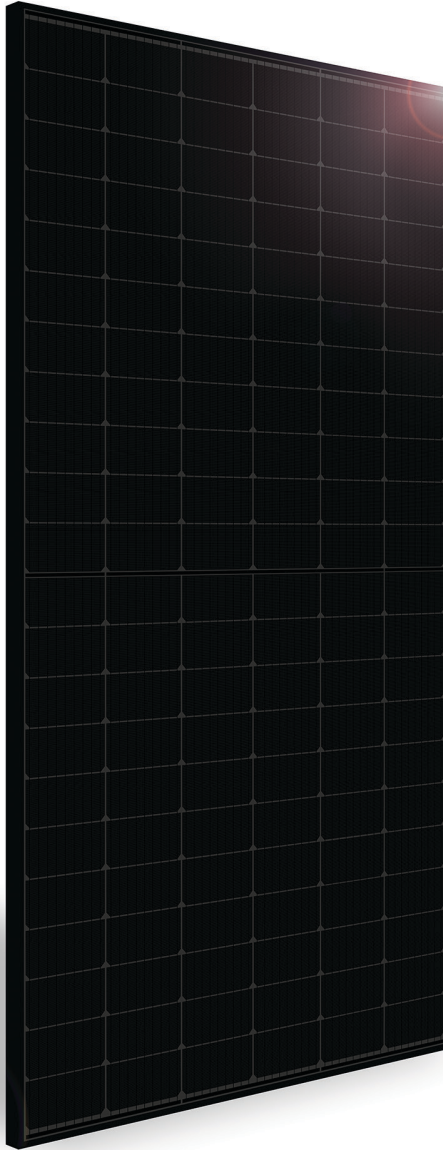


## SILFAB PRIME

SIL-400 HC+



## RELIABLE ENERGY. DIRECT FROM THE SOURCE.

Designed to outperform.

Dependable, durable, high-performance solar panels engineered for North American homeowners.

[SILFABSOLAR.COM](http://SILFABSOLAR.COM)



CHUBB®

\* Chubb provides error and omission insurance to Silfab Solar Inc.

| ELECTRICAL SPECIFICATIONS     |    | 400   |          |
|-------------------------------|----|-------|----------|
| Test Conditions               |    | STC   | NOCT     |
| Module Power (Pmax)           | Wp | 400   | 298      |
| Maximum power voltage (Vpmax) | V  | 36.05 | 33.50    |
| Maximum power current (Ipmax) | A  | 11.10 | 8.90     |
| Open circuit voltage (Voc)    | V  | 43.02 | 40.35    |
| Short circuit current (Isc)   | A  | 11.58 | 9.34     |
| Module efficiency             | %  | 20.2% | 18.8%    |
| Maximum system voltage (VDC)  | V  |       | 1000     |
| Series fuse rating            | A  |       | 20       |
| Power Tolerance               | Wp |       | 0 to +10 |

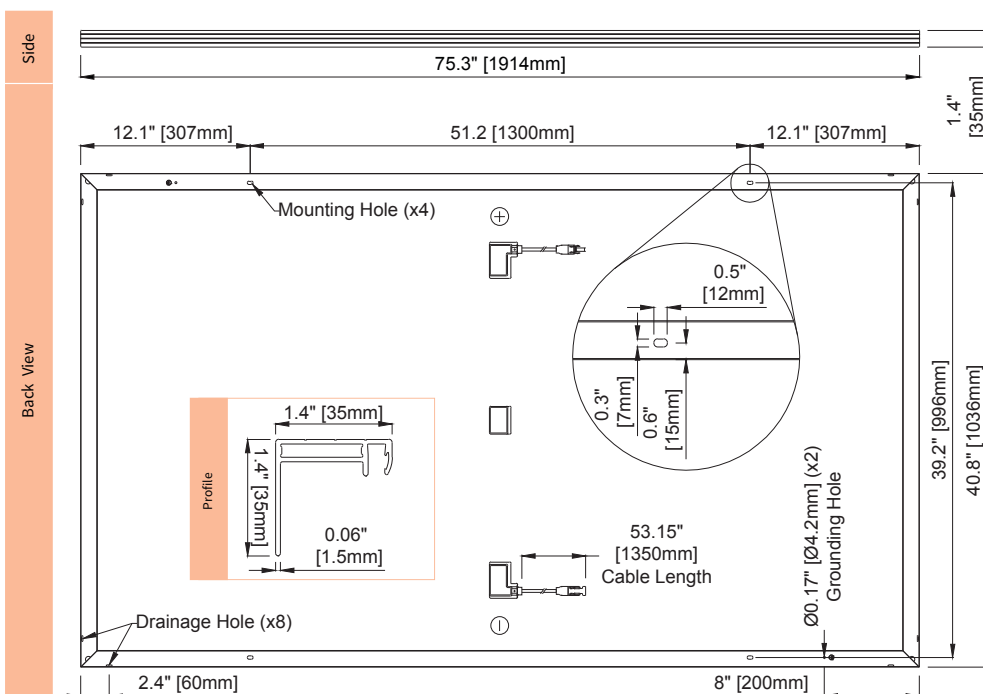
Measurement conditions: STC 1000 W/m<sup>2</sup> • AM 1.5 • Temperature 25 °C • NOCT 800 W/m<sup>2</sup> • AM 1.5 • Measurement uncertainty ≤ 3%  
Sun simulator calibration reference modules from Fraunhofer Institute. Electrical characteristics may vary by ±5% and power by 0 to +10W.

| MECHANICAL PROPERTIES / COMPONENTS                   | METRIC  | IMPERIAL   |
|--|---|--|
| Module weight  | 21.3kg ±0.2kg   | 47lbs ±0.4lbs  |
| Dimensions (H x L x D)                               | 1914 mm x 1036 mm x 35 mm   | 75.3 in x 40.8 in x 1.37 in  |
| Maximum surface load (wind/snow)*                    | 5400 Pa rear load / 5400 Pa front load  | 112.8 lb/ft <sup>2</sup> rear load / 112.8 lb/ft <sup>2</sup> front load |
| Hail impact resistance                               | Ø 25 mm at 83 km/h  | Ø 1 in at 51.6 mph   |
| Cells  | 132 Half cells - Si mono PERC<br>9 busbar - 83 x 166 mm   | 132 Half cells - Si mono PERC<br>9 busbar - 3.26 x 6.53 in               |
| Glass  | 3.2 mm high transmittance, tempered,<br>DSM antireflective coating  | 0.126 in high transmittance, tempered,<br>DSM antireflective coating     |
| Cables and connectors (refer to installation manual) | 1350 mm, Ø 5.7 mm, MC4 from Staubli   | 53 in, Ø 0.22 in (12AWG), MC4 from Staubli                               |
| Backsheet  | High durability, superior hydrolysis and UV resistance, multi-layer dielectric film, fluorine-free PV backsheet |  |
| Frame  | Anodized Aluminum (Black)   |  |
| Bypass diodes  | 3 diodes-30SQ045T (45V max DC blocking voltage, 30A max forward rectified current)                              |  |
| Junction Box   | UL 3730 Certified, IEC 62790 Certified, IP68 rated  |  |

| TEMPERATURE RATINGS          |             | WARRANTIES                          |   |
|------------------------------|-------------|-------------------------------------|---|
| Temperature Coefficient Isc  | +0.064 %/°C | Module product workmanship warranty | 25 years**  |
| Temperature Coefficient Voc  | -0.28 %/°C  | Linear power performance guarantee  | 30 years  |
| Temperature Coefficient Pmax | -0.36 %/°C  |                                     | ≥ 97.1% end 1st yr<br>≥ 91.6% end 12th yr<br>≥ 85.1% end 25th yr<br>≥ 82.6% end 30th yr |
| NOCT (± 2°C)                 | 45 °C       |                                     |   |
| Operating temperature        | -40/+85 °C  |                                     |   |

| CERTIFICATIONS |  | SHIPPING SPECS      |                         |
|----------------|--|---------------------|-------------------------|
| Product        | UL 61215-1:2017 Ed.1***, UL 61215-2:2017 Ed.1***, UL 61730-1:2017 Ed.1***, UL 61730-2:2017 Ed.1***, CSA C22.2#61730-1:2019 Ed.2***, CSA C22.2#61730-2:2019 Ed.2***, IEC 61215-1:2016 Ed.1***, IEC 61215-2:2016 Ed.1***, IEC 61730-1:2016 Ed.2***, IEC 61730-2:2016 Ed.2***, IEC 61701:2020 (Salt Mist Corrosion), IEC 62716:2013 (Ammonia Corrosion), UL Fire Rating: Type 2, CEC Listing*** | Modules Per Pallet: | 26 or 26 (California)   |
| Factory        | ISO9001:2015   | Pallets Per Truck   | 32 or 31 (California)   |
|                |  | Modules Per Truck   | 832 or 806 (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 [silfabsolar.com](http://silfabsolar.com).
- PAN files generated from 3rd party performance data are available for download at: [silfabsolar.com/downloads](http://silfabsolar.com/downloads).
- \*\*\* Certification and CEC listing in progress. December 2022, expected completion.



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