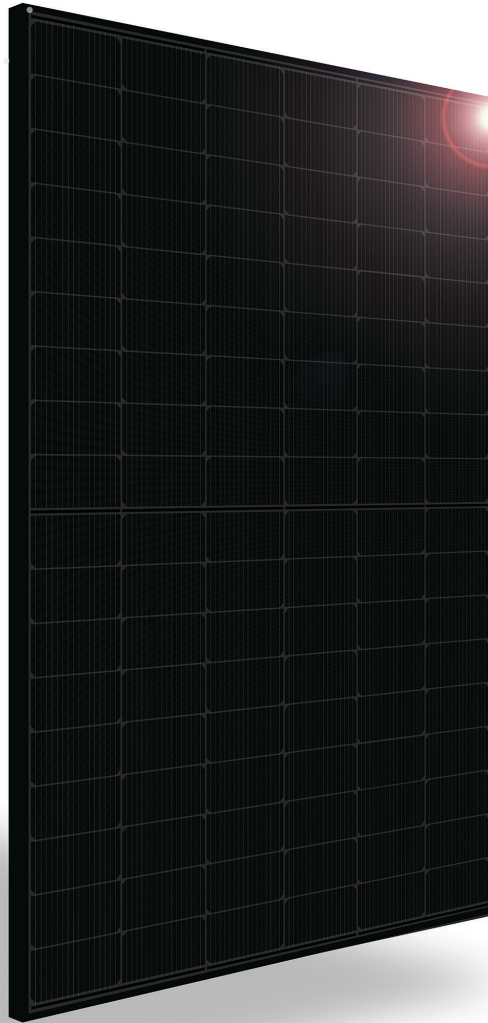


SILFAB PRIME NTC

SILFAB SOLAR®

SIL-430 QD



INTRODUCING NEXT-GENERATION N-TYPE CELL TECHNOLOGY

- Improved Shade Tolerance
- Improved Low-Light Performance
- Increased Performance in High Temperatures
- Enhanced Durability
- Reduced Degradation Rate
- Industry-Leading Warranty



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ELECTRICAL SPECIFICATIONS

430

| | | | |
|-------------------------------|----|-------|----------|
| Test Conditions | | STC | NOCT |
| Module Power (Pmax) | Wp | 430 | 321 |
| Maximum power voltage (Vpmax) | V | 33.25 | 31.02 |
| Maximum power current (Ipmax) | A | 12.93 | 10.33 |
| Open circuit voltage (Voc) | V | 38.91 | 36.58 |
| Short circuit current (Isc) | A | 13.87 | 11.15 |
| Module efficiency | % | 22.1% | 20.6% |
| Maximum system voltage (VDC) | V | | 1000 |
| Series fuse rating | A | | 25 |
| Power Tolerance | Wp | | 0 to +10 |

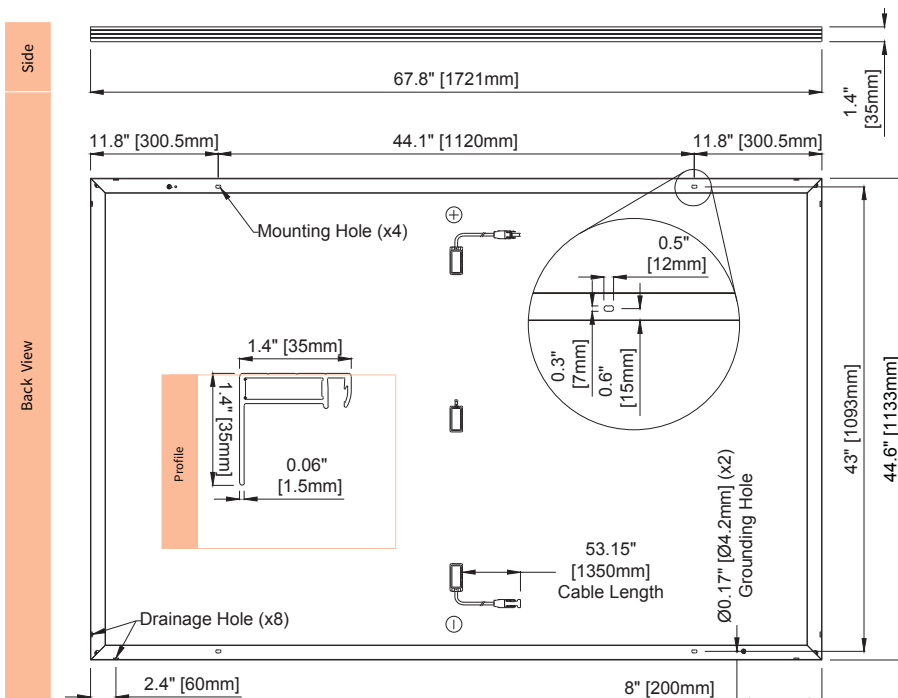
Measurement conditions: STC 1000 W/m² • AM 1.5 • Temperature 25 °C • NOCT 800 W/m² • AM 1.5 • Measurement uncertainty ≤ 3%
 Sun simulator calibration reference modules from Fraunhofer Institute. Electrical characteristics may vary by ±5% and power by 0 to +10 W.

| MECHANICAL PROPERTIES / COMPONENTS | METRIC | IMPERIAL |
|--|--|---|
| Module weight | 21 kg ± 0.2 kg | 46.3 lbs ± 0.4 lbs |
| Dimensions (H x L x D) | 1721 mm x 1133 mm x 35 mm | 67.8 in x 44.6 in x 1.37 in |
| Maximum surface load (wind/snow)* | 4000 Pa rear load / 5400 Pa front load | 83.5 lb/ft ² rear load / 112.8 lb/ft ² front load |
| Hail impact resistance | Ø 25 mm at 83 km/h | Ø 1 in at 51.6 mph |
| Cells | 108 Half cells - N-Type Silicon solar cell 182 mm x 91 mm | 108 Half cells - N-Type Silicon solar cell 7.16 in x 3.58 in |
| Glass | 3.2 mm high transmittance, tempered, antireflective coating | 0.126 in high transmittance, tempered, antireflective coating |
| Cables and connectors (refer to installation manual) | 1350 mm, Ø 5.7 mm, MC4 from Staubli | 53.1 in, Ø 0.22 in (12 AWG), MC4 from Staubli |
| Backsheet | High durability, superior hydrolysis and UV resistance, multi-layer dielectric film, fluorine-free PV backsheet | |
| Frame | Anodized aluminum (Black) | |
| 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 | | ≥ 98% end 1st yr ≥ 94.7% end 12th yr ≥ 90.8% end 25th yr ≥ 89.3% end 30th yr |
| NOCT (± 2 °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 Listed, UL Fire Rating: Type 2 | Modules Per Pallet: | 26 or 26 (California) |
| Factory | ISO9001:2015 | Pallets Per Truck | 32 or 30 (California) |
| | | Modules Per Truck | 832 or 780 (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.
 PAN files generated from 3rd party performance data are available for download at: silfabsolar.com/downloads.



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