



# SIL-380 NT



## HIGH EFFICIENCY PREMIUM MONO-PERC PV MODULE



CHUBB®

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

### 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.



#### MAXIMUM POWER

Silfab's high-efficiency modules are optimized for commercial projects where maximum power density is preferred.

#### LIGHT AND DURABLE

Engineered to accommodate high front-side load conditions for test loads validated up to 5400Pa.

#### QUALITY MATTERS

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.

#### SLEEK DESIGN

Sleek design in silver frame with white backsheet.

#### PID RESISTANT

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

Electrical Specifications		SIL-380 NT mono PERC	
Test Conditions		STC	NOCT
Module Power (Pmax)	Wp	380	277.6
Maximum power voltage (Vpmax)	V	38.67	35.6
Maximum power current (Ipmax)	A	9.85	7.8
Open circuit voltage (Voc)	V	47.88	44.0
Short circuit current (Isc)	A	10.09	8.0
Module efficiency	%	19.2	17.5
Maximum system voltage (VDC)	V		1000
Max 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.

Temperature Ratings		SIL-380 NT mono PERC	
Temperature Coefficient Isc		0.03 %/°C	
Temperature Coefficient Voc		-0.3 %/°C	
Temperature Coefficient Pmax		-0.38 %/°C	
NOCT (± 2°C)		44 °C	
Operating temperature		-40/+85 °C	

Mechanical Properties and Components		SIL-380 NT mono PERC	
	Metric	Imperial	
Module weight	21.5 kg ±0.3 kg	47.4 ±0.6 lbs	
Dimensions (H x L x D)	1992 mm x 994 mm x 38 mm	78.4 in x 39.1 in x 1.5 in	
Maximum surface load (wind/snow)*	2400 Pa rear load / 5400 Pa front load N/m <sup>2</sup>	50.13/112.8 lb/ft <sup>2</sup>	
Hail impact resistance	Ø 25 mm at 83 km/h	Ø 1 in at 51.6 mph	
Cells	72 - Si mono PERC - 5 busbar 158.75 x 158.75 mm	72 - Si mono PERC - 5 busbar 6.25 x 6.25 Inch	
Glass	3.2 mm high transmittance, tempered, DSM anti-reflective coating	0.126 in high transmittance, tempered, DSM anti-reflective coating	
Cables and connectors (refer to installation manual)	1200 mm, Ø 5.7 mm, MC4 compatible	47.2 in, Ø 0.22 in (12AWG), MC4 compatible	
Backsheet	Highly reflective white backsheet, high durability, superior hydrolysis and UV resistance, multi-layer dielectric film, fluorine-free PV backsheet		
Frame	Anodized Aluminum (Silver)		
Bypass diodes	3 diodes-30SQ045T (45V max DC blocking voltage, 30A max forward rectified current)		
Junction Box	UL 3730 Certified, IEC 62790 Certified, IP67 rated		
Warranties	SIL-380 NT mono PERC		
Module product workmanship warranty	25 years**		
Linear power performance guarantee	30 years		
	≥ 97.1% end 1 <sup>st</sup> year   ≥ 91.6% end 12 <sup>th</sup> year   ≥ 85.1% end 25 <sup>th</sup> year   ≥ 82.6% end 30 <sup>th</sup> year		

Certifications		SIL-380 NT mono PERC	
Product	ULC ORD C1703, UL1703, CEC listed, UL 61215-1/-1-1/-2, UL 61730-1/-2, IEC 61215-1/-1-1/-2***, IEC 61730-1/-2***, CSA C22.2#61730-1/-2***, IEC 62716 Ammonia Corrosion; IEC61701:2011 Salt Mist Corrosion Certified, UL Fire Rating: Type 1 (1500V) or Type 2 (1000V)		
Factory	ISO9001:2015		

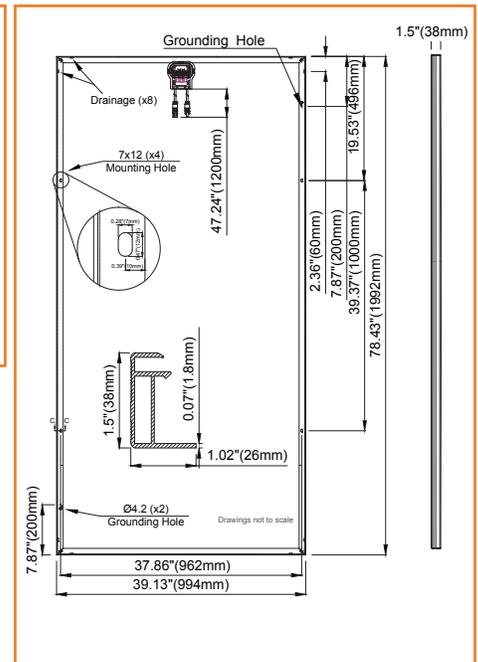
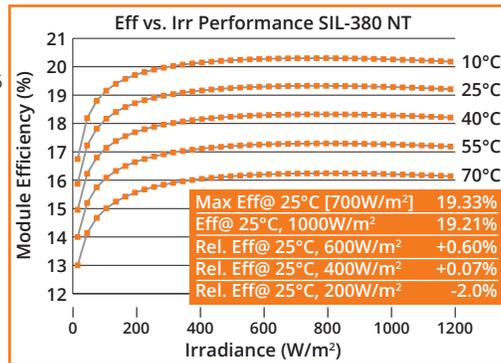
- Option A Horizontal      Option B Vertical
- Modules Per Pallet: 25      ■ Modules Per Pallet: 27
  - Pallets Per Truck: 30      ■ Pallets Per Truck: 28
  - Modules Per Truck: 750      ■ Modules Per Truck: 756

\*▲ 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.

\*\*\*Certification in progress. August 2020 expected completion date for IEC 61730/61215 and CSA C22.2#61730-1/-2.

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

