

# **SIL-380 NT**









-PVEL



# 72 Cell Monocrystalline PV Module





## 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 utilized 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.

#### **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.

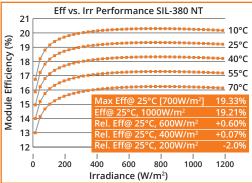
Electrical Specifications		SIL-380 NT mono PERC			
Test Conditions			STC	NOCT	
Module Power (Pmax)	Wp	Wp 380		287.5	
Maximum power voltage (Vpmax)	V		39.3	35.3	
Maximum power current (Ipmax)	A		9.7	8.1	
Open circuit voltage (Voc)	V		48	44.4	
Short circuit current (lsc)	A		10.3	8.4	
Module efficiency	%		17.8	16.7	
Maximum system voltage (VDC)				1000	
Series fuse rating		A 20			
Power Tolerance		Wp 0 to +10			
Measurement conditions: STC 1000 W/m2 • AM 1.5 • Temperature 25 °C • NOCT 800 W/m <sup>2</sup> • AM 1.5 • Measurement uncertainty $\leq$ 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 lsc		0.03 %/°C			
Temperature Coefficient Voc		-0.3 %/°C			
Temperature Coefficient Pmax		-0.38 %/°C			
NOCT (± 2°C)		45 °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)	1	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	2400 Pa rear load / 5400 Pa front load N/m <sup>2</sup>		<sup>2</sup> 50.13/112.8 lb/ft^2	
Hail impact resistance		ø 25 mm at 83 km/h		ø 1 in at 51.6 mph	
Cells	7	72 - Si mono PERC - 5 busbar		72 - Si mono PERC - 5 busbar	
	2.2 mm	158.75 x 158.75 mm 6.25 x 6.25 Inch 3.2 mm high transmittance, tempered, DSM 0.126 in high transmittance, tempered, DSM			
Glass	5.2 11111		tive coating	anti-reflective coating	
Cables and connectors (refer to installation manual)	1200	1200 mm, ø 5.7 mm, MC4 compatible		47.2 in, Ø 0.22 in ,MC4 compatible	
Backsheet		Highly reflective white backsheet			
Frame		Anodized Aluminum (Silver)			
Bypass diodes	3 dio	3 diodes-30SQ045T (45V max DC blocking voltage, 30A max forward rectified current)			
Junction Box		UL 3730 Certified, IP67 rated			
Warranties		SIL-380 NT mono PERC			
Module product workmanship warranty		25 years**			
Linear power performance guarantee		30 years $\geq 97\%$ end 1 <sup>st</sup> year $\geq 90\%$ end 12 <sup>th</sup> year $\geq 82\%$ end 25 <sup>th</sup> year $\geq 80\%$ end 30 <sup>th</sup> year			
	≥97%	end 1ª year			
Certifications	SIL-380 NT mono PERC				
Product		UL 61730***, IEC 61215/61730***, IEC 62716 Ammonia Corrosion; IEC61701:2011 Salt Mist Corrosion Certified, UL Fire Rating: Type 1 (1500V) or Type 2 (1000V)			
Factory	ISO9001:2015				
Modules Per Pallet: 25	Eff vs. Ir	Eff vs. Irr Performance SIL-380 NT			
Pallets Per Truck: 30 21	LII V3. II			Grounding Hole 1.5"(38mm)	
Modules Per Truck: 750		10°C			

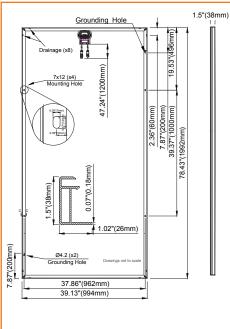
\* Warning. Read the Safety and Installation Manual for mounting specifications and before handling, installing and operating modules.

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

\*\*\*Under certification

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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