

SIL-330 NL









-PVEL



HIGH EFFICIENCY PREMIUM MONO-PERC PV MODULE



CHUBB

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.



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 high wind load conditions for test loads validated up to 4000Pa uplift. The light-weight frame is exclusively designed for wide-ranging racking compatibility and durability.

OUALITY 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.

AESTHETICALLY PLEASING

All black sleek design, ideal for high-profile residential or commercial applications.

PID RESISTANT

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

Electrical Specifications		SIL-330 NL mono PERC		
Test Conditions		STC	NOCT	
Module Power (Pmax)	Wp	330	235	
Maximum power voltage (Vpmax)	V	33.3	30.2	
Maximum power current (Ipmax)	A	9.92	7.8	
Open circuit voltage (Voc)	V	40.5	36.7	
Short circuit current (lsc)	A	10.42	8.2	
Module efficiency	%	19.4	17.3	
Maximum system voltage (VDC)	V			
Max series fuse rating	А			
Power Tolerance	Wp			
Measurement conditions: STC 1000 W/m2 • AM 1.5 • Temperature 25 °C • Sun simulator calibration reference modules from Fraunhofer Institut	• NOCT 800 W/m ² e. Electrical charact	• AM 1.5 • Measurement uncertainty \leq 3% eristics may vary by ±5% and power by 0 to +	10W.	
Temperature Ratings		SIL-330 NL mono PERC		
Temperature Coefficient Isc		0.064 %/°C		
Temperature Coefficient Voc		-0.28 %/°C		
Temperature Coefficient Pmax		-0.36 %/°C		
NOCT (± 2°C)		46 °C		
Operating temperature		-40/+85 °C		
Mechanical Properties and Components		SIL-330 NL mono PERC		
		Metric	Imperial	
Module weight		18.6 kg ±0.2 kg	41 ±0.4 lbs	
Dimensions (H x L x D)	-) mm x 1000 mm x 38 mm	66.9 in x 39.4 in x 1.5 in	
Maximum surface load (wind/snow)*	4000 Pa re	ar load / 5400 Pa front load N/m²	83.5/112.8 lb/ft^2	
Hail impact resistance		ø 25 mm at 83 km/h	ø 1 in at 51.6 mph	
Cells	60	· Si mono PERC - 5 busbar	60 - Si mono PERC - 5 busbar	
		158.75 x 158.75 mm	6.25 x 6.25 Inch	
Glass	3.2 mm hig	h transmittance, tempered, DSM	0.126 in high transmittance, tempered, DSM	
		h transmittance, tempered, DSM anti-reflective coating	0.126 in high transmittance, tempered, DSM anti-reflective coating	
Glass Cables and connectors (refer to installation manual)	1200 m	sh transmittance, tempered, DSM anti-reflective coating m, ø 5.7 mm, MC4 from Staubli	0.126 in high transmittance, tempered, DSM anti-reflective coating 47.2 in, ø 0.22 in (12AWG), MC4 from Staubli	
	1200 m	th transmittance, tempered, DSM anti-reflective coating m, ø 5.7 mm, MC4 from Staubli urability, superior hydrolysis and	0.126 in high transmittance, tempered, DSM anti-reflective coating	
Cables and connectors (refer to installation manual)	1200 m	h transmittance, tempered, DSM anti-reflective coating m, ø 5.7 mm, MC4 from Staubli urability, superior hydrolysis and fluorine-free	0.126 in high transmittance, tempered, DSM anti-reflective coating 47.2 in, ø 0.22 in (12AWG), MC4 from Staubli UV resistance, multi-layer dielectric film,	
Cables and connectors (refer to installation manual) Backsheet	1200 m High c	h transmittance, tempered, DSM anti-reflective coating m, ø 5.7 mm, MC4 from Staubli urability, superior hydrolysis and fluorine-free Anodized Alu	0.126 in high transmittance, tempered, DSM anti-reflective coating 47.2 in, ø 0.22 in (12AWG), MC4 from Staubli UV resistance, multi-layer dielectric film, PV backsheet	
Cables and connectors (refer to installation manual) Backsheet Frame	1200 m High c	h transmittance, tempered, DSM anti-reflective coating m, ø 5.7 mm, MC4 from Staubli lurability, superior hydrolysis and fluorine-free Anodized Alu s-30SQ045T (45V max DC blocking	0.126 in high transmittance, tempered, DSM anti-reflective coating 47.2 in, ø 0.22 in (12AWG), MC4 from Staubli UV resistance, multi-layer dielectric film, PV backsheet minum (Black)	
Cables and connectors (refer to installation manual) Backsheet Frame Bypass diodes	1200 m High c	h transmittance, tempered, DSM anti-reflective coating m, ø 5.7 mm, MC4 from Staubli lurability, superior hydrolysis and fluorine-free Anodized Alu s-30SQ045T (45V max DC blocking UL 3730 Certified, IEC 62	0.126 in high transmittance, tempered, DSM anti-reflective coating 47.2 in, ø 0.22 in (12AWG), MC4 from Staubli UV resistance, multi-layer dielectric film, PV backsheet minum (Black) voltage, 30A max forward rectified current)	
Cables and connectors (refer to installation manual) Backsheet Frame Bypass diodes Junction Box	1200 m High c	h transmittance, tempered, DSM anti-reflective coating m, ø 5.7 mm, MC4 from Staubli lurability, superior hydrolysis and fluorine-free Anodized Alu s-30SQ045T (45V max DC blocking UL 3730 Certified, IEC 62 SIL-330 NL	0.126 in high transmittance, tempered, DSM anti-reflective coating 47.2 in, ø 0.22 in (12AWG), MC4 from Staubli UV resistance, multi-layer dielectric film, PV backsheet minum (Black) voltage, 30A max forward rectified current) 2790 Certified, IP67 rated	
Cables and connectors (refer to installation manual) Backsheet Frame Bypass diodes Junction Box Warranties Module product workmanship warranty	1200 m High c 3 diode	h transmittance, tempered, DSM anti-reflective coating m, ø 5.7 mm, MC4 from Staubli urability, superior hydrolysis and fluorine-free Anodized Alu s-30SQ045T (45V max DC blocking UL 3730 Certified, IEC 62 SIL-330 NL 25 ye 30 y	0.126 in high transmittance, tempered, DSM anti-reflective coating 47.2 in, Ø 0.22 in (12AWG), MC4 from Staubli UV resistance, multi-layer dielectric film, PV backsheet minum (Black) voltage, 30A max forward rectified current) 2790 Certified, IP67 rated mono PERC ars** ears	
Cables and connectors (refer to installation manual) Backsheet Frame Bypass diodes Junction Box Warranties Module product workmanship warranty Linear power performance guarantee	1200 m High c 3 diode	th transmittance, tempered, DSM anti-reflective coating m, ø 5.7 mm, MC4 from Staubli urability, superior hydrolysis and fluorine-free Anodized Alu s-30SQ045T (45V max DC blocking UL 3730 Certified, IEC 62 SIL-330 NL 25 ye 30 y nd 1st year ≥ 91.6% end 12 th year	0.126 in high transmittance, tempered, DSM anti-reflective coating 47.2 in, Ø 0.22 in (12AWG), MC4 from Staubli UV resistance, multi-layer dielectric film, PV backsheet minum (Black) voltage, 30A max forward rectified current) 2790 Certified, IP67 rated mono PERC ars** ears ≥ 85.1% end 25 th year ≥ 82.6% end 30 th year	
Cables and connectors (refer to installation manual) Backsheet Frame Bypass diodes Junction Box Warranties Module product workmanship warranty	1200 m High c 3 diode	th transmittance, tempered, DSM anti-reflective coating m, ø 5.7 mm, MC4 from Staubli urability, superior hydrolysis and fluorine-free Anodized Alu s-30SQ045T (45V max DC blocking UL 3730 Certified, IEC 62 SIL-330 NL 25 ye 30 y nd 1st year ≥ 91.6% end 12th year SIL-330 NL	0.126 in high transmittance, tempered, DSM anti-reflective coating 47.2 in, Ø 0.22 in (12AWG), MC4 from Staubli UV resistance, multi-layer dielectric film, PV backsheet minum (Black) voltage, 30A max forward rectified current) 2790 Certified, IP67 rated mono PERC ars** ears ≥ 85.1% end 25 th year ≥ 82.6% end 30 th year mono PERC	
Cables and connectors (refer to installation manual) Backsheet Frame Bypass diodes Junction Box Warranties Module product workmanship warranty Linear power performance guarantee	1200 m High c 3 diode ≥ 97.1% er	th transmittance, tempered, DSM anti-reflective coating m, ø 5.7 mm, MC4 from Staubli urability, superior hydrolysis and fluorine-free Anodized Alu s-30SQ045T (45V max DC blocking UL 3730 Certified, IEC 62 SIL-330 NL 25 ye 30 y nd 1st year ≥ 91.6% end 12th year SIL-330 NL	0.126 in high transmittance, tempered, DSM anti-reflective coating 47.2 in, Ø 0.22 in (12AWG), MC4 from Staubli UV resistance, multi-layer dielectric film, PV backsheet minum (Black) voltage, 30A max forward rectified current) 2790 Certified, IP67 rated mono PERC ars** ears ≥ 85.1% end 25 th year ≥ 82.6% end 30 th year mono PERC 51215-1/-1-1/-2, UL 61730-1/-2, IEC 61215-1/-	

Product

Factory

Modules Per Pallet: 26

III Pallets Per Truck: 36

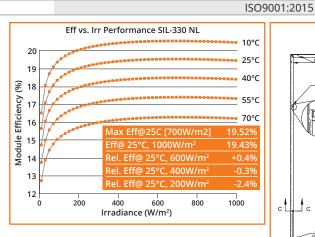
III Modules Per Truck: 936

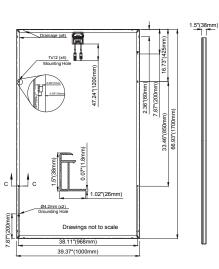
* Warning. Read the Safety and Installation Manual for mounting specifications and before handling, installing and operating modules.

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

***Certification and CEC listing in progress. August 2020 expected completion date for CEC listing, 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





1-1/-2***. IEC 61730-1/-2***, CSA C22.2#61730-1/-2***, IEC 62716 Ammonia Corrosion;

IEC61701:2011 Salt Mist Corrosion Certifed, UL Fire Rating: Type 2

Silfab

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PV MODULE RELIABILITY SCORECARD