

SIL-320 NL















60 Cell

Monocrystalline 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 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.

III 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.

UALITY 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-320 NL mono PERC	
Test Conditions		STC	NOCT
Module Power (Pmax)	Wp	320	242
Maximum power voltage (Vpmax)	V	32.88	29.59
Maximum power current (Ipmax)	А	9.74	8.18
Open circuit voltage (Voc)	V	40.10	37.09
Short circuit current (Isc)	А	10.32	8.46
Module efficiency	%	18.8	17.8
Maximum system voltage (VDC)	V	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/m² • AM 1.5 • Measurement uncertainty ≤ 3%

	ofer Institute. Electrical characteristics may vary by ±5% and power by 0 to +10W.

Temperature Ratings	SIL-320 NL mono PERC		
Temperature Coefficient Isc	0.064 %/°C		
Temperature Coefficient Voc	-0.28 %/°C		
Temperature Coefficient Pmax	-0.36 %/°C		
NOCT (± 2°C)	45 °C		
Operating temperature	-40/+85 °C		
Mechanical Properties and Components	SIL-320 NL mono PERC		
	Metric	Imperial	
Module weight	18.6 kg ±0.2 kg	41 ±0.4 lbs	
Dimensions (H x L x D)	1700 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 rear load / 5400 Pa front load N/m ²	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	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, MC4 compatible	
Backsheet	High durability, superior hydrolysis resistance, multi-layer dielectric film		
Frame	Anodized Aluminum (Black)		
Bypass diodes	3 diodes-30SQ045T (45V max DC blocking voltage, 30A max forward rectified current)		
Junction Box	UL 3730 Certified, IP67 rated		
Warranties	SIL-320 NL mono PERC		
Module product workmanship warranty	25 years**		
	30 years		
Linear power performance guarantee	\geq 97% end 1 st year \geq 90% end 12 th year	≥ 82% end 25 th year ≥ 80% end 30 th year	
Certifications	SIL-320 NL		
Product	52716 Ammonia Corrosion; IEC61701:2011		
	Salt Mist Corrosion Certifed, UL Fire Rating: Type 2		

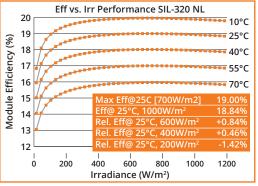
Factory

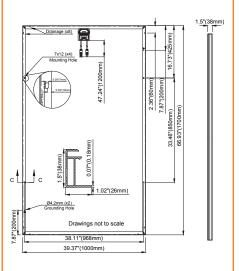
₩ Modules Per Pallet: 26 Pallets Per Truck: 36

₩ 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.

Third-party generated pan files from Fraunhofer-Institute for Solar Energy Systems ISE are available for download at: www.silfabsolar.com/downloads





ISO9001:2015



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