



BC Series SLA-BC 320 Wp (Available 2019)



60 Cell Monocrystalline PV Module

INDUSTRY LEADING WARRANTY

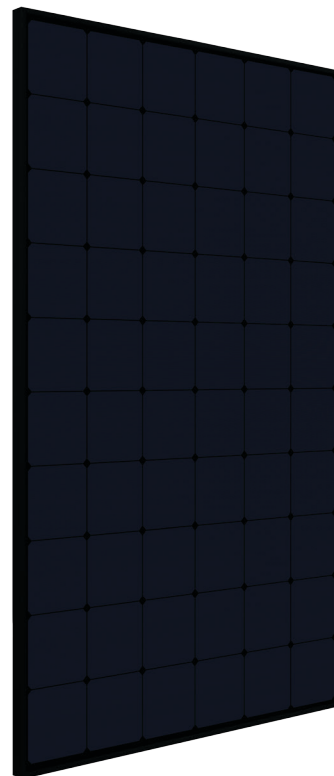
All our products include an industry leading 25-year product workmanship and 30-year performance warranty.

MAXIMUM ENERGY OUTPUT

Silfab BC Series utilizes next generation Back Contact technology to reduce production/manufacturing steps and improve quality while maximizing power. Ideal for residential and commercial projects where maximum power density is preferred.

NORTH AMERICAN QUALITY

Silfab is the largest and most automated solar 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.



CHUBB®

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

PROVIDES MAXIMUM EFFICIENCY

60 high-efficiency cells combined with a black conductive back-sheet resulting in a maximum power rating of 320Wp.

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.

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 entrusted Silfab panels in their solar installations.

SMALL, 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. 48.18 ppm as per December 2018.

DOMESTIC PRODUCTION

Silfab is 100% North American which means our customer service is direct, efficient and local. Your solar panels can be delivered anywhere in the Continental USA within days.

SUPERIOR POWER

Superior Power achieved through relocation of tabbing ribbon to reduce shading on module front surface.

AESTHETICALLY PLEASING

Sleek aesthetics from black cells to black back-sheet without tabbing or bus-bar ribbons, ideal for residential applications.

STABLE PERFORMANCE

Enhanced life-time performance through reduced thermal stresses and increased current flow paths.

PID RESISTANT

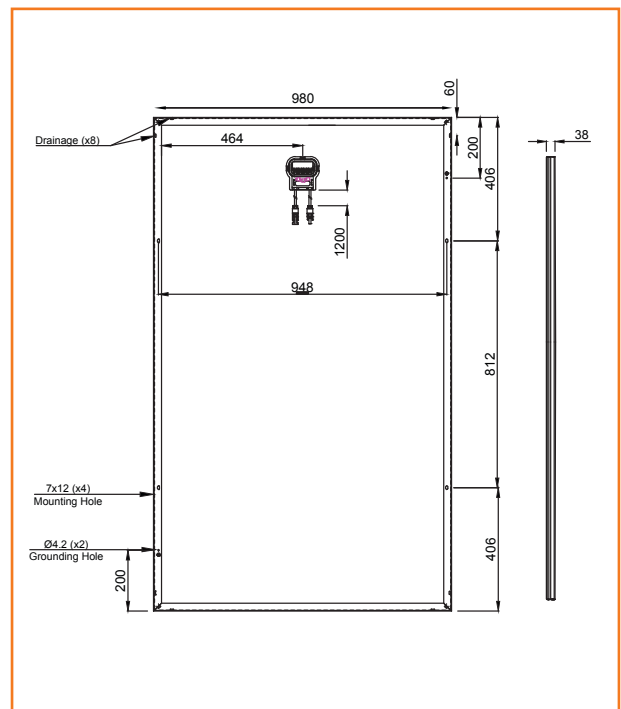
PID Resistant due to advanced cell technology and material selection. In accordance to IEC 62804-1

Electrical Specifications		SILFAB SLA-BC Monocrystalline	
Test Conditions		STC	NOCT
Module Power (Pmax)	Wp	320	242
Maximum power voltage (Vpmax)	V	33.95	30.6
Maximum power current (Ipmax)	A	9.43	7.9
Open circuit voltage (Voc)	V	40.5	37.5
Short circuit current (Isc)	A	9.99	8.19
Module efficiency	%	20.0	18.8
Maximum system voltage (VDC)	V		1000
Series fuse rating	A		20
Power Tolerance	Wp		-0/+5
Measurement conditions: STC 1000 W/m ² • AM 1.5 • Temperature 25 °C • NOCT 800 W/m ² • AM 1.5 • Measurement uncertainty ≤ 3% • Sun simulator calibration reference modules from Fraunhofer Institute. Electrical characteristics may vary by ±5% and power to -0/+5W.			
Temperature Ratings		SILFAB SLA-BC Monocrystalline	
Temperature Coefficient Isc	%/K		0.04
Temperature Coefficient Voc	%/K		-0.29
Temperature Coefficient Pmax	%/K		-0.38
NOCT (± 2°C)	°C		45
Operating temperature	°C		-40/+85
Mechanical Properties and Components		SILFAB SLA-BC Monocrystalline	
Module weight (± 1 kg)	kg		18
Dimensions (H x L x D; ± 1mm)	mm		1624 x 980 x 38
Maximum surface load (wind/snow)*	N/m ²		2400 Pa upward / 5400 Pa downward
Hail impact resistance			Ø 25 mm at 83 km/h
Cells			60 - Si monocrystalline - 156.75 x 156.75 mm
Glass			3.2 mm high transmittance, tempered, antireflective coating
Backsheet			Conductive Backsheet
Frame			Anodized Al (Black)
Bypass diodes			3 diodes-20SQ040 (45V, 20A) IP67/IP68 Junction Box
Cables and connectors (See installation manual)			1200 mm Ø 5.7 mm (4 mm ²), MC4 compatible
Warranties		SILFAB SLA-BC Monocrystalline	
Module product workmanship warranty			25 years
Linear power performance guarantee			30 years
Certifications		SILFAB SLA-BC Monocrystalline	
Product**		ULC ORD C1703, UL 1703, FSEC and CEC listed. Product durability proven up to 3 x IEC, climate chamber tests up to DH3000 - TC600 - HF30 & Pmp degradation < 3%	
Factory		UL Fire Rating: Type 1 ISO9001:2015	

*Please refer to the Safety and Installation Manual for mounting specifications. **In Progress

⚠ Warning: Read the installation and User Manual before handling, installing and operating modules.

- 📦 Modules Per Pallet: 26
- 📦 Pallets Per Truck: 36
- 📦 Modules Per Truck: 936



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