

## Product Description

SRCC certified and easy to install, the SB-80G is a great choice for commercial and residential domestic water heating projects. Sunbank Solar offers a 10-year factory warranty on the collector which guarantees replacement due to a manufacturer's defect.



## Technical Specification

<b>Number of Evacuated Tubes</b>	30
<b>Length of Tubes</b>	1800 mm
<b>Outer Tube Diameter</b>	Ø58 mm
<b>Inlet and Outlet</b>	¾ inch MNPT
<b>Tube Thermal Expansion</b>	3.3 x 10 <sup>-6</sup> °C
<b>Absorbent Coating</b>	Graded Al-N / Al
<b>Absorbency</b>	> 92% (AM 1.5)
<b>Volumetric Capacity</b>	80 gallons
<b>Insulation</b>	PUF, 55 mm

<b>Aperture Area</b>	47.9 ft <sup>2</sup>
<b>Outer Tank</b>	304 Stainless Steel
<b>Inner Tank</b>	316 Stainless Steel
<b>Tested Pressure</b>	175 PSI
<b>Working Pressure</b>	87 PSI
<b>Bracket Tilt Angle</b>	Flush Mount or 45°
<b>Weight Empty</b>	266 lbs
<b>Working Weight</b>	933 lbs
<b>Bracket</b>	Anodized Aluminum

## Thermal Performance

Kilowatt-hours Per Panel Per Day				Thousands of BTU Per Panel Per Day			
Category (Ti-Ta)	Clear Day (6.3kWh / m <sup>2</sup> .day)	Mildly Cloudy (4.7kWh / m <sup>2</sup> .day)	Cloudy Day (3.1kWh / m <sup>2</sup> .day)	Category (Ti-Ta)	Clear Day (2000 Btu / ft <sup>2</sup> .day)	Mildly Cloudy (1500 Btu / ft <sup>2</sup> .day)	Cloudy Day (1000 Btu / ft <sup>2</sup> .day)
A (-5°C)	12.6	9.7	6.8	A (-9°F)	43.0	33.1	23.2
B (5°C)	11.3	8.5	5.6	B (9°F)	38.6	29.0	19.1
C (20°C)	9.5	6.6	3.7	C (36°F)	32.4	22.5	12.6
D (50°C)	5.7	2.9	0.0	D (90°F)	19.4	9.9	0.0
E (80°C)	2.0	0.0	0.0	E (144°F)	6.8	0.0	0.0