

Product Description

Certified by the SRCC and UL, the SB-80G is a great choice for commercial and residential solar water heating projects. Sunbank Solar offers a 10-year factory warranty against manufacturer’s defects on the evacuated tube collectors.



Technical Specification

Number of Evacuated Tubes	30
Length of Tubes	1800 mm
Outer Tube Diameter	Ø58 mm
Inlet and Outlet	¾ inch MNPT
Heating Element (UL)	240V/2400W
Absorbent Coating	Graded Al-N / Al
Absorbency	> 92% (AM 1.5)
Volumetric Capacity	80 gallons
Insulation	PUF, 55 mm

Aperture Area	47.9 ft ²
Outer Tank	304 Stainless Steel
Inner Tank	316 Stainless Steel
Test Pressure	175 PSI
Working Pressure	87 PSI
Bracket Tilt Angle	Flush Mount, 30°, 45°
Weight Empty	395 lbs
Working Weight	1055 lbs
Bracket	Aluminum/SS

SRCC Lab Testing Data – Thermal Performance

Kilowatt-hours Per Panel Per Day				Thousands of BTU Per Panel Per Day			
Category (Ti-Ta)	Clear Day (6.3kWh / m ² .day)	Mildly Cloudy (4.7kWh / m ² .day)	Cloudy Day (3.1kWh / m ² .day)	Category (Ti-Ta)	Clear Day (2000 Btu / ft ² .day)	Mildly Cloudy (1500 Btu / ft ² .day)	Cloudy Day (1000 Btu / ft ² .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

A – Pool Heating (Warm Climate) B – Pool Heating (Cool Climate) C – Water Heating (Warm Climate) D – Space & Water Heating (Cool Climate) E – Commercial Hot Water & Cooling