

Product Description

SRCC certified and easy to install, the SB-80G is a great choice for commercial and residential domestic water heating projects. Comes with tank, collectors, and bracket. Sunbank Solar offers a 10-year factory warranty against manufacturer's defect 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
Tube Thermal Expansion	3.3 x 10 ⁻⁶ °C
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
Tested Pressure	175 PSI
Working Pressure	87 PSI
Bracket Tilt Angle	Flush Mount, 30°, 45°
Weight Empty	268 lbs
Working Weight	935 lbs
Bracket	Aluminum/SS

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