

Product Description

SRCC certified and easy to install, the SB-40G 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.



*Shown here with painted steel tank and bracket

Technical Specification

Number of Evacuated Tubes	15
Length of Tubes	1800 mm
Outer Tube Diameter	58 mm
Tube Thickness	1.6 mm
Tube Thermal Expansion	$3.3 \times 10^{-6} \text{ }^\circ\text{C}$
Absorptive Coating	Graded Al-N / Al
Absorbency	> 92% (AM 1.5)
Volumetric Capacity	40 gallons
Insulation	PUF, 55 mm

Aperture Area	24.5 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 or 30°
Weight Empty	163 lbs.
Weight Full	497 lbs.
Inlet and Outlet	¾ inch MNPT

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)	6.4	4.9	3.5	A (-9°F)	21.8	16.7	11.9
B (5°C)	5.8	4.3	2.8	B (9°F)	19.8	14.7	9.6
C (20°C)	4.9	3.4	1.9	C (36°F)	16.7	11.6	6.5
D (50°C)	3.0	1.5	0.0	D (90°F)	10.2	5.1	0.0
E (80°C)	1.1	0.0	0.0	E (144°F)	3.8	0.0	0.0