

## 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 on the collector which guarantees replacement due to a manufacturer's defect.



\*Shown here with painted steel tank and bracket

## Technical Specification

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

<b>Aperture Area</b>	24.5 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 30°
<b>Weight Empty</b>	143 lbs.
<b>Inlet and Outlet</b>	¾ inch MNPT
<b>Bracket</b>	Al/SS

## 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)	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