

OG-100 ICC-SRCC™ CERTIFIED SOLAR COLLECTOR # 10002066



**SOLAR RATING
& CERTIFICATION
CORPORATION™**

Supplier:
Suntrek Industries, Inc.
5 Holland, Building 215
Irvine, CA 92618 USA
www.suntreksolar.com

Reference Standard:
ICC 901/SRCC Standard 100-2015

Brand: Suntrek ST
Model: Suntrek ST
Collector Type: Unglazed Flat Plate
Certification #: 10002066
Original Certification: April 19, 2018
Renewal Expiration Date:
Certifications must be renewed annually.

This solar collector has been evaluated and certified by the Solar Rating & Certification Corporation™ (ICC-SRCC™), an ISO/IEC 17065 accredited and EPA recognized Certification Body, in accordance with the SRCC OG-100 Certification Program, as defined in SRCC OG-100, Operating Guidelines and Minimum Standards for Certifying Solar Collectors. This award of certification is subject to all terms and conditions of the current OG-100 Program Agreement and the documents incorporated therein by reference. This document must be reproduced in its entirety.

COLLECTOR THERMAL PERFORMANCE RATINGS (Collector Tested per ISO 9806:2013)							
Kilowatt-hours (thermal) Per m ² Per Day				Thousands of Btu Per ft ² Per Day			
Climate -> Category (Ti-Ta)	High Radiation (6.3 kWh/m ² .day)	Medium Radiation (4.7 kWh/m ² .day)	Low Radiation (3.1 kWh/m ² .day)	Climate -> Category (Ti-Ta)	High Radiation (2000 Btu/ft ² .day)	Medium Radiation (1500 Btu/ft ² .day)	Low Radiation (1000 Btu/ft ² .day)
A (-5 °C)	6.3	5.0	3.6	A (-9 °F)	2.0	1.6	1.2
B (5 °C)	3.2	1.9	0.7	B (9 °F)	1.0	0.6	0.2
C (20 °C)	0.2	0.0	0.0	C (36 °F)	0.1	0.0	0.0
D (50 °C)	0.0	0.0	0.0	D (90 °F)	0.0	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

TECHNICAL RESULTS				Tested in accordance with: ISO 9806:2013			
ISO Efficiency Equation [NOTE: Based on gross area and (P)=Ti-Ta]							
SI UNITS:		Wind speed (u) in m/s, Temperature (Ti – Ta) in °C, Radiation (G") in W/m ² $\eta = (0.909)(1 - 0.0460u) - (11.9716 + 14.2950u)(P/G")$					
IP UNITS:		Wind speed (u) in mph, Temperature (Ti – Ta) in °F, Radiation (G") in Btu/hr-ft ² $\eta = (0.909)(1 - 0.0206u) - (2.1084 + 1.1254u)(P/G")$					
Incident Angle Modifier							
θ	10 ⁰	20 ⁰	30 ⁰	40 ⁰	50 ⁰	60 ⁰	70 ⁰
K_r	1.00	1.02	1.04	1.07	1.08	1.03	0.57
Impact Safety Rating: 10							

COLLECTOR SPECIFICATIONS					
Gross Area:	2.310 m ²	24.86 ft ²	Dry Weight:	4.0 kg	8.8 lb
Net Aperture Area:	2.310 m ²	24.86 ft ²	Fluid Capacity:	7.8 liter	2.1 gal
REMARKS: All sizes of this collector model are certified					

Shawn Martin

Technical Director

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Please verify certification is active on the SRCC website www.solar-rating.org.
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ICC-SRCC OG-100 Certification Label

The collectors listed in this certification must display the label below.
The certification label must be permanently affixed to each collector in accordance with SRCC OG-100 program requirements.

	This product certified by the Solar Rating & Certification Corporation™ www.Solar-Rating.org
	ICC-SRCC Certification Number: 10002066
	High Solar Radiation Climate Rating in Category A
	14.54 kWh/day 49.61 kBtu/day

