

OG-300 ICC-SRCC™ CERTIFIED SOLAR SYSTEM # 30004250



SOLAR RATING & CERTIFICATION CORPORATION

Supplier:
SunMaxx Solar LLC
 5042-5160 New York 206
 Bainbridge, NY 13733 USA
 www.sunmaxxsolar.com

Reference Standard:
ICC 900/SRCC Standard 300-2015

Brand: ThermoPower
 Model: VTS15-HP-TG
 System Type: Thermosiphon, Indirect
 Certification #: 30004250
 Original Certification: October 18, 2017
 Renewal Expiration Date: May 31, 2018

Certifications must be renewed annually.

This solar system has been evaluated by the Solar Rating & Certification Corporation™ (SRCC™), an ISO/IEC 17065 accredited and EPA recognized Certification Body, in accordance with SRCC OG-300, Operating Guidelines for Certifying Solar Water Heating Systems, and has been certified by the SRCC. This award of certification is subject to all terms and conditions of the Program Agreement and the documents incorporated therein by reference. This document must be reproduced in its entirety.

SYSTEM INFORMATION

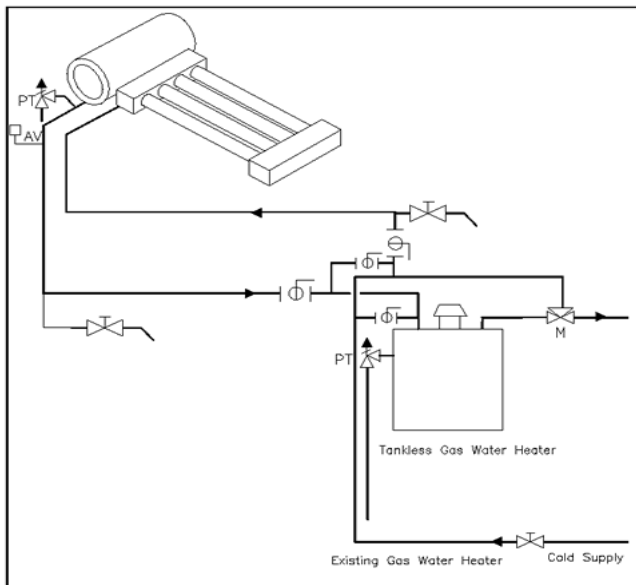
System Type:	Thermosiphon	Internal Backup:	None
Collector Type:	Non Separable Thermosiphon Glazed	Solar Tank Volume:	151 liter (40 gal)
Collector Heat Transfer Fluid:	Water	External Backup Type:	GAMA
Collector Freeze Protection:	None	Backup Tank Volume:	N/A
Freeze Tolerance:	-5 °C (23 °F)	Heat Exchanger Type:	
System Overheat Protection:	None	Controller Type:	

USA AVERAGE DAY RATINGS

CANADA SINGLE DAY RATING (GJ/year)

Solar Energy Factor (SEF _D)	Solar Fraction (SF _D)	Estimated Energy Savings
1.0	0.41	

SYSTEM DETAILS



REMARKS:

Shawn Martin

Technical Director

Print Date: March 22, 2018 Page 1 of 7

Please verify certification is active on the SRCC website www.solar-rating.org.

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The OG-300 system is certified only when installed with the following approved collector options. Where the system specifies more than one collector, the collectors installed in the system must be identical, and cannot be mixed between models. If the system is installed with any collectors other than those listed below, the OG-300 certification is invalid.

APPROVED COLLECTORS							
Option	Collector Panel Manufacturer	SRCC OG-100 Certification Number	Collector Panel Model Number	Collector Panel Name	Quantity per System	Total Panel Area(m ²)	Total Panel Area(ft ²)
1	SunMaxx Solar LLC	10002055	VTS-HP15	ThermoPower	1	2.27	24.46

The solar water system listed here has been certified by the SRCC as meeting the minimum standards for testing, installation, operation, maintenance, performance, reliability and safety as specified in SRCC Document OG-300. Thermal performance ratings are based on the successful durability and performance testing of a sample collector, where said tests have been conducted by an independent laboratory approved and listed by the SRCC. The system has been modeled using the computer simulation program TRNSYS to calculate the ratings.

Before the Supplier can make any change in design, materials, specifications, parts, or construction, the change(s) must be reported to the SRCC for evaluation of continued certification.



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ANNUAL ICC-SRCC PERFORMANCE RATINGS TABLE

Location	Solar Energy Factor (SEF _A)	Solar Fraction (SF _A)	Annual Energy Savings (kWh)
AZ - Flagstaff	1.1	0.45	2870
AZ - Phoenix	1.7	0.66	3560
AZ - Tucson	1.6	0.63	3540
CA - Climate Zone 1	1	0.40	2710
CA - Climate Zone 10	1.3	0.55	3260
CA - Climate Zone 11	1.3	0.53	3200
CA - Climate Zone 12	1.3	0.53	3290
CA - Climate Zone 13	1.4	0.57	3430
CA - Climate Zone 14	1.4	0.59	3420
CA - Climate Zone 15	1.7	0.67	3520
CA - Climate Zone 16	1.1	0.45	3050
CA - Climate Zone 2	1.2	0.48	3140
CA - Climate Zone 3	1.2	0.49	3180
CA - Climate Zone 4	1.2	0.51	3260
CA - Climate Zone 5	1.2	0.51	3300
CA - Climate Zone 6	1.3	0.54	3210
CA - Climate Zone 7	1.3	0.54	3220
CA - Climate Zone 8	1.3	0.55	3320
CA - Climate Zone 9	1.3	0.54	3350
CO - Denver	1.1	0.44	3040
DE - WILMINGTON	1.1	0.42	2760
FL - DAYTONA	1.3	0.56	3060
FL - Jacksonville	1.2	0.53	2980
FL - Miami	1.4	0.61	3070
FL - Tampa	1.4	0.58	3070



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Location	Solar Energy Factor (SEF _A)	Solar Fraction (SF _A)	Annual Energy Savings (kWh)
GA - Augusta	1.2	0.49	2950
GA - Columbus	1.2	0.51	2980
GA - Macon	1.2	0.50	2970
GA - Savannah	1.2	0.52	3020
HI - Honolulu	1.6	0.65	3210
IL - Chicago	1	0.39	2660
IL - Springfield	1.1	0.42	2840
KS - TOPEKA	1.1	0.44	2880
KY - Lexington	1	0.41	2720
LA - New Orleans	1.2	0.53	2970
MA - Boston	1	0.40	2790
MD - Baltimore	1.1	0.42	2790
ME - CARIBOU	1	0.34	2680
ME - Portland	1	0.39	2870
MI - Lansing	1	0.36	2520
MN - STCLOUD	1	0.36	2620
MO - Kansas City	1.1	0.44	2910
MO - St Louis	1.1	0.44	2850
MS - Jackson	1.2	0.50	2990
MS - MERIDIAN	1.2	0.50	2960
MT - Billings	1	0.40	2860
MT - Helena	1	0.37	2760
MT - Missoula	1	0.36	2620
NC - ASHEVILLE	1.1	0.44	2880
NC - Charlotte	1.1	0.48	2960



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Location	Solar Energy Factor (SEF _A)	Solar Fraction (SF _A)	Annual Energy Savings (kWh)
NC - Wilmington	1.2	0.49	2960
NH - Concord	1	0.38	2760
NJ - Atlantic City	1	0.42	2810
NJ - NEWARK	1	0.41	2720
NM - Albuquerque	1.3	0.54	3510
NV - ELY	1.1	0.45	3320
NV - Elko	1.1	0.43	3140
NV - Las Vegas	1.5	0.61	3540
NV - Reno	1.1	0.47	3300
NV - TONOPAH	1.2	0.50	3460
NV - WINN	1.1	0.45	3220
NY - Albany	1	0.37	2640
NY - BINGHAMTON	1	0.35	2520
NY - MASSENA	1	0.35	2620
NY - New York	1	0.41	2740
NY - ROCHESTER	1	0.36	2570
NY - Syracuse	1	0.36	2580
OR - Medford - Zone 2	1.1	0.44	2950
OR - Portland - Zone 1	1	0.39	2670
OR - Redmond - Zone 3	1.1	0.42	3030
PA - Erie	1	0.36	2560
PA - HARRISBURG	1	0.40	2690
PA - Philadelphia	1	0.41	2700
PA - Pittsburgh	1	0.37	2560
PA - Wilkes-Barre	1	0.36	2520



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SC - Columbia	1.2	0.50	2970
SC - GREENVILLE	1.1	0.48	2960
TN - BRISTOL	1	0.43	2810
TN - Chattanooga	1.1	0.46	2900
TN - Knoxville	1.1	0.45	2840
TN - Memphis	1.2	0.50	3040
TN - Nashville	1.1	0.47	2950
TX - AUSTIN	1.3	0.55	3090
TX - Amarillo	1.2	0.50	3230
TX - Brownsville	1.3	0.57	2940
TX - Dallas-Fort Worth	1.3	0.54	3120
TX - El Paso	1.5	0.60	3570
TX - Houston	1.2	0.52	2860
TX - Midland	1.3	0.56	3320
TX - San Antonio	1.3	0.56	3100
TX - WACO	1.3	0.54	3080
UT - CEDARCITY	1.2	0.47	3270
UT - Salt Lake City	1.1	0.45	3070
VA - Norfolk	1.1	0.46	2880
VA - Richmond	1.1	0.45	2860
VA - Roanoke	1.1	0.44	2880
VA - STERLING	1	0.42	2790
VT - Burlington	1	0.36	2680
WA - Seattle	1	0.36	2460
WI - Madison	1	0.38	2730



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WV - HUNTINGTON	1	0.41	2710

