

OG-300 ICC-SRCC™ CERTIFIED SOLAR SYSTEM # 30004249



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: VTS30-HP-TG
 System Type: Thermosiphon, Indirect
 Certification #: 30004249
 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

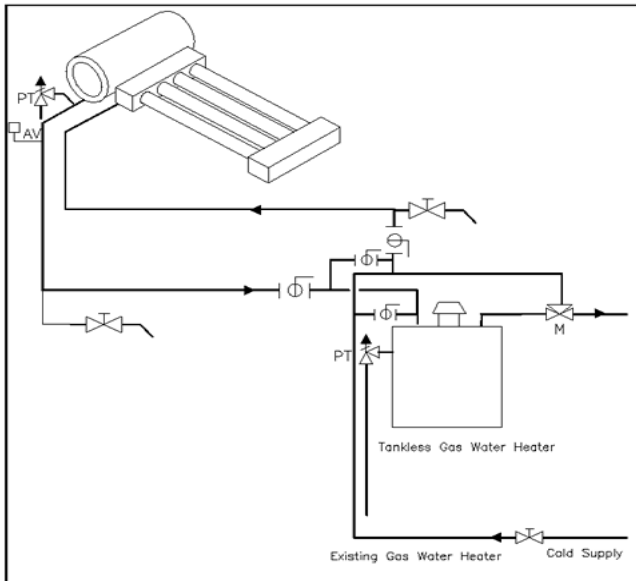
System Type:	Thermosiphon	Internal Backup:	None
Collector Type:	Non Separable Thermosiphon Glazed	Solar Tank Volume:	300 liter (79 gal)
Collector Heat Transfer Fluid:	Water	External Backup Type:	GAMA
Collector Freeze Protection:	None	Backup Tank Volume:	N/A
Freeze Tolerance:	-5 °C (23 °F)	Heat Exchanger 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
1.3	0.52	

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	10002056	VTS-HP30	ThermoPower	1	4.45	47.9

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	1.6	0.62	3990
AZ - Phoenix	3.5	0.83	4510
AZ - Tucson	3.4	0.83	4640
CA - Climate Zone 1	1.3	0.53	3600
CA - Climate Zone 10	2.4	0.75	4410
CA - Climate Zone 11	1.9	0.69	4200
CA - Climate Zone 12	2	0.70	4360
CA - Climate Zone 13	2.3	0.74	4480
CA - Climate Zone 14	2.7	0.79	4560
CA - Climate Zone 15	4.2	0.86	4510
CA - Climate Zone 16	1.5	0.60	4130
CA - Climate Zone 2	1.7	0.65	4210
CA - Climate Zone 3	1.8	0.66	4300
CA - Climate Zone 4	1.9	0.69	4400
CA - Climate Zone 5	1.9	0.68	4470
CA - Climate Zone 6	2.2	0.73	4350
CA - Climate Zone 7	2.2	0.73	4360
CA - Climate Zone 8	2.3	0.74	4490
CA - Climate Zone 9	2.2	0.73	4500
CO - Denver	1.6	0.60	4160
DE - WILMINGTON	1.4	0.56	3720
FL - DAYTONA	2.3	0.75	4080
FL - Jacksonville	2	0.71	3970
FL - Miami	3	0.81	4070
FL - Tampa	2.5	0.78	4090



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GA - Augusta	1.7	0.66	3960
GA - Columbus	1.8	0.68	3980
GA - Macon	1.8	0.67	3970
GA - Savannah	1.9	0.70	4040
HI - Honolulu	4.2	0.87	4260
IL - Chicago	1.3	0.52	3560
IL - Springfield	1.4	0.57	3820
KS - TOPEKA	1.5	0.59	3880
KY - Lexington	1.4	0.56	3650
LA - New Orleans	2	0.71	3950
MA - Boston	1.3	0.54	3730
MD - Baltimore	1.4	0.57	3740
ME - CARIBOU	1.1	0.46	3560
ME - Portland	1.3	0.52	3840
MI - Lansing	1.2	0.49	3380
MN - STCLOUD	1.2	0.49	3560
MO - Kansas City	1.5	0.59	3910
MO - St Louis	1.5	0.59	3830
MS - Jackson	1.8	0.67	3990
MS - MERIDIAN	1.7	0.66	3960
MT - Billings	1.3	0.54	3850
MT - Helena	1.3	0.50	3710
MT - Missoula	1.2	0.47	3500
NC - ASHEVILLE	1.5	0.59	3870
NC - Charlotte	1.7	0.64	3980



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Location	Solar Energy Factor (SEF _A)	Solar Fraction (SF _A)	Annual Energy Savings (kWh)
NC - Wilmington	1.7	0.66	3970
NH - Concord	1.3	0.51	3700
NJ - Atlantic City	1.4	0.56	3770
NJ - NEWARK	1.3	0.55	3630
NM - Albuquerque	2.2	0.73	4750
NV - ELY	1.6	0.61	4530
NV - Elko	1.5	0.58	4230
NV - Las Vegas	2.8	0.79	4550
NV - Reno	1.7	0.63	4440
NV - TONOPAH	1.9	0.67	4690
NV - WINN	1.6	0.61	4320
NY - Albany	1.2	0.50	3530
NY - BINGHAMTON	1.2	0.47	3370
NY - MASSENA	1.2	0.47	3500
NY - New York	1.4	0.55	3680
NY - ROCHESTER	1.2	0.48	3420
NY - Syracuse	1.2	0.49	3450
OR - Medford - Zone 2	1.4	0.58	3910
OR - Portland - Zone 1	1.2	0.51	3520
OR - Redmond - Zone 3	1.4	0.56	4060
PA - Erie	1.2	0.48	3420
PA - HARRISBURG	1.3	0.54	3610
PA - Philadelphia	1.4	0.55	3620
PA - Pittsburgh	1.2	0.50	3420
PA - Wilkes-Barre	1.2	0.49	3370



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SC - Columbia	1.8	0.67	3970
SC - GREENVILLE	1.7	0.64	3980
TN - BRISTOL	1.4	0.57	3750
TN - Chattanooga	1.5	0.61	3870
TN - Knoxville	1.5	0.60	3800
TN - Memphis	1.8	0.67	4060
TN - Nashville	1.6	0.62	3940
TX - AUSTIN	2.2	0.73	4100
TX - Amarillo	1.9	0.68	4370
TX - Brownsville	2.3	0.76	3890
TX - Dallas-Fort Worth	2.1	0.72	4170
TX - El Paso	3	0.80	4770
TX - Houston	1.9	0.69	3810
TX - Midland	2.3	0.75	4450
TX - San Antonio	2.2	0.74	4110
TX - WACO	2.1	0.72	4100
UT - CEDARCITY	1.7	0.64	4460
UT - Salt Lake City	1.6	0.60	4140
VA - Norfolk	1.6	0.62	3870
VA - Richmond	1.5	0.60	3840
VA - Roanoke	1.5	0.59	3870
VA - STERLING	1.4	0.56	3750
VT - Burlington	1.2	0.48	3570
WA - Seattle	1.2	0.47	3240
WI - Madison	1.3	0.51	3670



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WV - HUNTINGTON	1.4	0.55	3630

