



SOLAR RATING & CERTIFICATION CORPORATION

CERTIFIED SOLAR COLLECTOR

SUPPLIER:
EnerWorks, Inc.
 470 Industrial Ave.
 Woodstock, ON N4S 7L1 Canada
 www.enerworks.com
 In Accordance with:
ICC 901/SRCC Standard 100-2015

BRAND: Enersol
 MODEL: UPC-ESOL-110
 COLLECTOR TYPE: Unglazed Flat Plate
 CERTIFICATION #: 10002037
 Original Certification: January 23, 2017
 Expiration Date: December 16, 2026

The solar collector listed below 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-100, Operating Guidelines and Minimum Standards for Certifying Solar Collectors, 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.

COLLECTOR THERMAL PERFORMANCE RATING (Collector Tested per ISO 9806:2013 with Class B & C exposure)							
Kilowatt-hours (thermal) Per m ² Per Day				Thousands of Btu Per ft ² Per Day			
Climate ->	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 ->	High Radiation (2000 Btu/ft ² .day)	Medium Radiation (1500 Btu/ft ² .day)	Low Radiation (1000 Btu/ft ² .day)
Category (Ti-Ta)				Category (Ti-Ta)			
A (-5 °C)	5.5	4.1	3.0	A (-9 °F)	1.7	1.3	0.9
B (5 °C)	3.1	1.9	0.8	B (9 °F)	1.0	0.6	0.3
C (20 °C)	0.7	0.0	0.0	C (36 °F)	0.2	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

COLLECTOR SPECIFICATIONS					
Gross Area:	0.844 m ²	9.08 ft ²	Dry Weight:	4 kg	9 lb
Net Aperture Area:	0.797 m ²	8.58 ft ²	Fluid Capacity:	1.1 liter	0.3 gal
Absorber Area:	0.771 m ²	8.30 ft ²	Test Pressure:	172 kPa	25 psi

TECHNICAL INFORMATION		Tested in accordance with: ISO 9806:2013 with Class B & C exposure
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 $\eta = (0.854)(1 - 0.0534u) - (15.1076 + 5.7341u)(P/G")$	
IP UNITS:	Wind speed (u) in mph, Temperature (Ti - Ta) in °F, Radiation (G") in Btu/hr-ft ² $\eta = (0.854)(1 - 0.0239u) - (2.6608 + 0.4514u)(P/G")$	

Incident Angle Modifier								Test Fluid:	Water	
θ	10	20	30	40	50	60	70	Test Mass Flow Rate:	0.1261 kg/(s m ²)	92.98 lb/(hr ft ²)
K _{τα}	1.00	1.01	1.02	1.03	1.06			Impact Safety Rating: 9		

REMARKS: All sizes of this collector model are certified

Shawn Martin

Technical Director

Print Date: January, 2017 Page 1 of 1
 Please verify certification is active on the SRCC website.
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