CERTIFIED SOLAR COLLECTOR

SUPPLIER:
GLE Solar Energy - Great Lakes Electric LLC
5744 Cleveland Ave
Stevensville, MI 49127 USA
www.gl-electric.com

BRAND:	GLE
MODEL:	SHP609
COLLECTOR TYPE:	ICS Glazed
CERTIFICATION #:	2009092A
Original Certification:	March 06, 2012
Expiration Date:	November 03, 2023

The solar collector listed below has been evaluated by the Solar Rating & Certification Corporation™ (SRCC™) 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.

COLLECTOR THERMAL PERFORMANCE RATING

Kilowatt-hours (thermal) Per Panel Per Day				Thousands of Btu Per Panel Per Day			
Climate -> Category (Ti-Ta)	High Radiation (6.3 kWh/m².day)	Medium Radiation (4.7 kWh/m².day)	Low Radiation (3.1 kWh/m².day)	Climate -> Category (Ti-Ta)	High Radiation (2000 Btu/ft².day)	Medium Radiation (1500 Btu/ft².day)	Low Radiation (1000 Btu/ft².day)
A (-5 °C)	9.0	7.1	5.2	A (-9 °F)	30.8	24.4	17.7
B (5 °C)	8.2	6.4	4.4	B (9 °F)	28.1	21.7	15.0
C (20 °C)	7.0	5.2	3.2	C (36 °F)	24.0	17.6	10.9
D (50 °C)	4.7	2.8	0.8	D (90 °F)	15.9	9.5	2.8
E (80 °C)	2.3	0.4	0.0	E (144 °F)	7.8	1.4	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			Collector and Storage Vessel Specifications		
Gross Area:	3.172 m²	34.14 ft²	**Dry Weight:**	138 kg	304 lb
Net Aperture Area:	1.771 m²	19.06 ft²	**Fluid Capacity:**	136.0 liter	35.9 gal
Absorber Area:	1.517 m²	16.33 ft²	**Test Pressure:**	1103 kPa	160 psi

TECHNICAL INFORMATION		**Tested in accordance with:** ISO 9806
ISO Efficiency Equation [NOTE: Based on gross area and (P)=Ti-Ta]		
SI UNITS:	η= 0.424 - 1.163(P/G)	
IP UNITS:	η= 0.424 - 0.205(P/G)	

Incident Angle Modifier Kτα = 1 – 0.1 [(1/cos θ)-1]								**Test Fluid:**	Water	
θ	10	20	30	40	50	60	70	**Simulated Flow Rate:**	0.0201 kg/(s m²)	14.82 lb/(hr ft²)
Kτα								**Impact Safety Rating:** 0		

REMARKS:

Jim Huggins
Technical Director

Print Date: November, 2012

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