



**GLE Solar Energy Evacuated Tube Solar Collectors are now SRCC Certified, and qualify for all Federal & State Solar Tax Credits and other incentives!**

SHP410 Evacuated Tube Collector: GLE Solar Energy offers high quality, easy to install solar water heating panel for both the do-it-yourself customer and the professional installer. Each panel comes pre-assembled with the primary components required when installing a solar water heating panel. It is our goal to keep our product quality and durability high to ensure that we are making renewable energy products that will perform and provide needed energy savings for 25 to 30 years.

Evacuated Tube Solar Collectors are extremely efficient and cost-effective, particularly in colder climates where other Solar Collectors suffer from limited performance and other problems due to their lack of freeze protection. Evacuated Tube Collectors, unlike others, are extremely freeze protected, leading to efficiencies of over 90% even in freezing temperatures. The unique design and collection properties of these collectors make them exceedingly efficient even in low-light conditions, which is another definite advantage during winter. With our vertical installation approach, snow will never be an issue and with no roof mounting, there are no potential roof leak or stress issues.

GLE Solar energy Evacuated Tube Solar Collectors are the most productive, cost-effective solar collectors available on the market today.

#### **How Evacuated Tubes Work:**

GLE Solar Energy SHP410 Evacuated Tube Solar Collectors are designed to efficiently provide hot water for many applications in climates and locations across the United States and around the world. GLE Solar Energy customers use the SHP410 for domestic hot water, radiant heating, pool/hot tub heating, and process water every day at residential, commercial, industrial and

municipal locations. A GLE SHP410 provides 55,000 BTUs of heating capacity a day under optimum conditions.

### **Specifications:**

- Weight: 268 lbs (without crating)
- Dimensions: 4'-0" x 6'-2" x 6"
- Packaging: Ships via freight on a pallet or is available for local pickup (1 pallet is available for residential or commercial delivery.)
- Assembly Time: All collectors come pre-assembled.
- Manufacturer: GLE Solar Energy, a division of Great Lakes Electric, LLC.
- Warranty: 10 Year limited
- Expected Lifetime: 25-30 Years
- Fitting: 3/4" NPT

### **Includes:**

- Standard Mounting Frame
- 10k thermistor
- 10 – 5" Diameter, Industry Leading Evacuated Tubes

### **Product Details:**

- Tube Length: 38.25 in
- Outer Tube Diameter: 5 in
- Inner Tube Diameter: 4.1 in
- Tube Thickness: 0.15 in
- Tube Material: Borosilicate Glass
- Tube Coating: Graded Al-N/Al
- Absorption: >92%
- Emittance: <1% (80 C)
- Stagnation Temperature: >628 F
- Heat Loss: <0.1 W/(m<sup>2</sup> C)
- Flow Rate: 2 to 7 gallons per minute
- BTU/Day at 1000 BTH/ft<sup>2</sup> \* d: 55,000

### **Applications:**

- Domestic hot water: Hot water for a household use
- Radiant floor heating: Systems of any size
- Pool and spa heating: Large and small pools
- Residential hot water applications
- Commercial hot water applications
- Industrial hot water applications
- Municipal hot water applications

**How to Install:**

- See GLE Installation Instructions

If you have any questions or need assistance with your heating system, please call us. We're here to help! (269) 408-8276

GLE Solar energy has a growing network of solar hot water dealers and installers. If you are interested in having your solar hot water heating system installed for you, call us today to schedule a site survey in your area. If you are interested in signing up for our dealer network, please do not hesitate to fill out our dealer application form, available upon request.

**Need Assistance?**

If you have questions or need help, feel free to contact our product representatives at 1-269-408-8276.