Product Catalog
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### Communication Survey

52
Alternate Energy Technologies, LLC, established in 1975, is one of the top manufacturers of flat plate solar thermal collectors in the United States. With over 30 collectors and 120 systems fully tested/approved, AET solar products will provide many years of reliable energy savings with collectors comprised of the highest quality materials, including Thermafin's Crystal Clear™ Selective Coating on all Absorber plates. AET offers its international network of Distributors and Representatives unparalleled equipment in both thermal output and structural integrity all while maintaining superior customer support programs. AET markets its products under the trade names of Morning Star Collectors (MSC Series), Alternate Energy Collectors (AE Series), and the Eagle Sun™ System (ESS) for Solar Hot Water and Solar Pool Heating (ESSP).
Green Statement

As Energy demand worldwide continues to rise, Alternate Energy Technologies, LLC (AET) is committed to reducing our dependency on nonrenewable sources by manufacturing solar water heaters with a 30 year design life and maintenance free operation.

AET appliances use clean, efficient, renewable energy to heat homes and provide domestic hot water for both residential and commercial applications.

Though AET is a profit-driven business, our financial ambitions are not superseded by our commitment to improving our environment. On the contrary, environmental conscientiousness is the driving force behind our profitability; and our success has allowed us continued expansion and increased influence in the business community. AET encompasses a philosophy that the modern corporation has a unique position, and an obligation, in today’s society as an instrument of positive change. AET has taken on a leadership role in the promotion of alternative energy sources and conveying the dangers of continued reliance on nonrenewable sources. We participate in a variety of awareness programs and public education forums; we provide funding for renewable energy promotional campaigns; and we actively participate in local community functions whenever possible.

At AET, we believe in our product, we believe in the reasons why our product is necessary, and we believe our product is one of the starting points to building a brighter future.
OPERATIONAL OVERVIEW

AET offers:

- Solar Products for Residential, Commercial and Industrial Thermal Applications
- Worldwide distribution
- Engineering Support Services
- Training Seminars (AET Factory Trained Installer Program)
- Sales and Marketing Support Programs

CERTIFICATIONS AND APPROVALS

Solar Rating and Certification Corp. – Test Methods and Minimum Standards for Certifying Solar Collectors, Standard 100-81

Florida Solar Energy Test Methods and Minimum Standards for Solar Collectors, FSEC, 1981


City of Los Angeles Mechanical Testing Lab, Approval No. RR-4338

L.A. City Standard Plan Approval No. 421

State of New Mexico Energy and Minerals Department

Wisconsin Safety and Building, Approval No. AE-82-25 through 28-S/C

Metropolitan Dade County Dept. of Building and Zoning Approval for Solar Collectors No. 82-215.1

Miami Test Lab Wind Testing, Approval No. MTL 11235

Interim Minimum Property Standards Supplement, HUD 4930.2, 1977

Uniform Solar Energy Code, IAPMO, 1976

Uniform Pumping Code, IAPMO, 1981

To Become a member of AET’s Global Network Authorized Dealers contact the AET Business Development Department.
AET Business Activities Consist of the Following:

1. **Flat-Plate Solar Thermal Collector Manufacturing** – The primary focus of AET, Alternate Energy (AE) Collectors Series and Morning Star™ Collectors (MSC) Series are represented in an extraordinary number of solar thermal installations worldwide. With 12 SRRC rated collector sizes available, the AET product line is among the most extensive available from a single supplier. In addition to Flat Plate Solar Thermal, EagleSun™ durable, low-temp unglazed thermal pool heating panels are also available.

   Recognized for their high performance, structural integrity, and patented mounting systems, the AE and Morning Star™ series are often specified by utility companies and local, state, and federal government agencies. AET solar collectors meet or exceed all known state and federal codes (see P.7 for certification details).

2. **Eagle Sun™ Systems.** With our standard AE Series Collectors, EagleSun Systems provide solutions for both Domestic Water Heating, or choose our low-temperature panel for Pool Heating applications. Over 100 residential systems, both active (pumped) and passive (no pumps) are certified by Florida Solar Energy Center. Eagle Sun™ Systems have been installed for over 35 years in climates ranging from the tropical Caribbean to the harsh winters of Nepal. The staff of AET includes engineers and managers thoroughly familiar with all facets of design and economic analysis assuring the most appropriate system for the application yielding long-term performance and maximizing the return on investment of the solar system. Eagle Sun™ Systems meet or exceed all applicable national, state and local solar water heating codes.

3. **AET/Thermafin.** Thermafin Fintubes are distributed worldwide to Original Equipment Manufacturers. Thermafin’s proprietary forge welding process of bonding the copper tube to the copper absorber sheet is designed to assure optimal heat transfer characteristics while offering long-term dependable service. Thermafin guarantees the forge weld between copper fin and copper tube for 30 years. OEM Manufacturers may contact AET Business Development with desired quantities, lengths, and widths to determine availability.

   **Crystal Clear Selective Coating,** developed exclusively by Thermafin, provides one the highest rates of absorbtivity in the solar market. Selective coated forge welded copper fin tubes are supplied to solar manufacturers worldwide. Crystal Clear electroplated copper coil is also supplied to OEM solar manufacturers in 18 countries and counting.

4. **Support Services** are provided by AET’s highly trained professional staff. Services include Dealership & Distributors Programs, Engineering & Project Management, Commercial Systems Design and Professional Installation, Training Seminars, Internet Promotion, and Sales & Marketing Support.
AE-SERIES COLLECTORS
with exclusive - "Crystal Clear™" Selective Coating
AE Series Collector Features

Alternate Energy Series “Flat Plate” Solar Thermal Collectors, manufactured by in the United States by Alternate Energy Technologies (AET), are designed to meet the needs of any system from 30 to 50,000 gallons with hot water, space heating, air conditioning, and industrial process heat.

**Glazing:** 1 sheet of High-T glass, 1/8” or 5/32” thick with 0.01% iron oxide content. Transmittance: >90.0%

**Glazing Gasket:** EPDM Channel with molded corners.

**Insulation:** 1-¼” Foil-faced poly-isocyanurate board insulation. (R-10). ¾” Foil-faced poly-isocyanurate board in sidewalls and under headers. (R-6).

**Frame Wall and Batten:** 6063 T6 Aluminum extrusion. (1/8” wall) Electrostatic paint finish. Electrostatic paint integral mounting system.

**Backsheet:** 0.019 stucco embossed aluminum sheet MB-40 bronze, pop-riveted to frame wall.

**Fasteners:** Aluminum and 18-8 stainless steel, black oxide coated for aesthetics.

**Absorber Plate:** Exclusively manufactured by Thermafin Manufacturing. All copper fin and tube construction. High frequency forge welded for permanent bond between tube and sheet. No soldered or crimped joints to fair from expansion and contraction. 30-year warranty on fin-to-tube joint.

**Absorber Coating:** Crystal Clear Selective Coating: **Absorptivity:** < 0.96  **Emissivity:** > 0.08

**Individually Leak Tested At:** 150 PSI

**Design Life:** 30 Years

**Flow Rate:** 0.5 to 1.8 GPM recommended

**Warranty:** 10 year limited – Consult Factory
With Exclusive - “Crystal Clear™” Selective Coating

COLLECTOR CROSS SECTION

CORNER DETAIL

MANIFOLD OUTLET

Alternate Energy Technologies, LLC
P.O. BOX 61326 · JACKSONVILLE, FL 32236
800.874.2190 · FX 904.781.1911 · info@aetsolar.com
AE Series Mounting Hardware

Standard Mounting Hardware (PART # AE-MH)

AE-MH Standard Mounting Hardware allows maximum variation in collector mounting positions. The 6063-T6 hinges are quickly locked onto the collector frame by a stainless steel lockbolt. The front hinges are fitted into heavy roof mount brackets, and the rear hinges are attached to the 1” aluminum square tube to conveniently tilt the collector at optimum position. This hardware set comes complete with all stainless steel bolts and nuts.
AE Series Mounting Hardware

Flush Mounting Hardware (PART # AE-FM)
AE-FM Flush Mount Hardware is a time and cost saving technique that is used when mounting collectors in the same plane as the roof. Each of the four brackets is quickly locked onto the collector frame by a stainless steel lockbolt. The collector is held 3” above the roof surface to allow water and debris to flow down the roof freely. This flush mount hardware is truly an attractive and cost saving option for solar collector mounting.
AE Series Mounting Hardware

Rack Mount (Part # AE-RM)

AE-RM Rack Mount Hardware is an excellent collector attachment device for use in commercial arrays. When a site constructed collector rack is used, these clips provide a very fast and inexpensive mount. As in all AET, Inc. Hardware, a stainless lockbolt locks the clip to the collector frame. Each of the four brackets is color matched to the collector and provides a lightweight and attractive attachment.

<table>
<thead>
<tr>
<th>Model</th>
<th>Size (ft)</th>
<th>Outside Box Dim. (in.)</th>
<th>Center Line to Center Line (in.)</th>
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<tbody>
<tr>
<td>AE-21</td>
<td>3 x 7</td>
<td>35.1875 x 85.1875</td>
<td>AE-MH: 88.4375, AE-FM: 88.9375, AE-RM: 86.9375</td>
</tr>
<tr>
<td>AE-24</td>
<td>3 x 8</td>
<td>35.1875 x 97.1875</td>
<td>AE-MH: 100.4375, AE-FM: 100.9375, AE-RM: 98.9375</td>
</tr>
<tr>
<td>AE-26</td>
<td>4 x 6.5</td>
<td>47.1875 x 77.1875</td>
<td>AE-MH: 80.4375, AE-FM: 80.9375, AE-RM: 78.9375</td>
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<tr>
<td>AE-28</td>
<td>4 x 7</td>
<td>47.1875 x 85.1875</td>
<td>AE-MH: 88.4375, AE-FM: 88.9375, AE-RM: 86.9375</td>
</tr>
<tr>
<td>AE-32</td>
<td>4 x 8</td>
<td>47.1875 x 97.1875</td>
<td>AE-MH: 100.4375, AE-FM: 100.9375, AE-RM: 98.9375</td>
</tr>
<tr>
<td>AE-40</td>
<td>4 x 10</td>
<td>47.1875 x 121.1875</td>
<td>AE-MH: 124.4375, AE-FM: 124.9375, AE-RM: 122.9375</td>
</tr>
</tbody>
</table>
MSC-SERIES COLLECTORS
with exclusive - "Crystal Clear™" Selective Coating
 MSC Series Collector Features

Morning Star Series “Flat Plate” Solar Thermal Collectors, manufactured by Alternate Energy Technologies (AET), are designed to meet the needs of any system from 30 to 50,000 gallons with hot water, space heating, air conditioning, and industrial process heat.

**Glazing:** 1 sheet of High-T Tempered glass with low iron content, 0.01% iron oxide, thickness of 1/8” or 5/32” for MSC-40. Transmittance: >90.0%

**Glazing Gasket:** EPDM Channel with molded corners.

**Insulation:** 1-¼” Foil-faced poly-isocyanurate board insulation. (R-10). ¾” Foil-faced poly-isocyanurate board in sidewalls and under headers. (R-6).

**Frame Wall and Batten:** 6063 T5 Aluminum extrusion with an anodized bronze finish and anodized integral mounting system.

**Backsheet:** 0.019 stucco embossed aluminum sheet MB-40 bronze, pop-riveted to frame wall.

**Fasteners:** Aluminum and 18-8 stainless steel, black oxide coated for aesthetics.

**Absorber Plate:** Exclusively manufactured by Thermafin Manufacturing. All copper fin and tube construction. High frequency forge welded for permanent bond between tube and sheet. No soldered or crimped joints to fair from expansion and contraction. 30-year warranty on fin-to-tube joint.

**Absorber Coating:** Crystal Clear: Absorptivity: < 0.96  Emissivity: > 0.08

**Individually Leak Tested At:** 150 PSI

**Design Life:** 30 Years

**Flow Rate:** 0.5 to 1.8 GPM recommended

**Warranty:** 10 year limited – Consult Factory
With Exclusive - "Crystal Clear™" Selective Coating

COLLECTOR CROSS SECTION

EPDM Glazing Channel with Molded Corners
Hold Down Batten
Outlet or Inlet 1" Nominal Copper
80D Silicone gasket
3/4" Isocyanurate Foil Faced Insulation
"Quick-Lock" Mounting System

Copper Fluid Passage
1/8" or 5/32" Tempered Glass, low iron
1" Header Pipe

.008 Copper Absorber
.019 Aluminum Back Plate (embossed finish)
Pop-rivet

Frame Wall

CORNER DETAIL

Stainless Steel Hex Head Machine Screw
Outlet or Inlet 1" nominal copper

Stainless Steel Hex Head Machine Screw

flow tube
absorber plate
manifold

Dimensions are typical per outlet.
4 1" nominal outlets per panel.

MANIFOLD OUTLET

Hold Down Batten
80 Durometer silicone gasket
1" Header Pipe
Stainless Pin and Aluminum grip rivets
Frame Wall
MSC Series Mounting Hardware

MSC Standard Mounting

MSC Series Mounting Hardware Spacing

<table>
<thead>
<tr>
<th>Model</th>
<th>Size (ft)</th>
<th>Outside Box Dim. (in.)</th>
<th>Center Line to Center Line (in.)</th>
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<tr>
<td>MSC-24</td>
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<td>35.8750 x 98.1250</td>
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<td>MSC-26</td>
<td>4 x 6.5</td>
<td>47.8750 x 78.1250</td>
<td>MSC-MH  82.5  MSC-FRM  79.375  MSC-FM  49.125</td>
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<tr>
<td>MSC-28</td>
<td>4 x 7</td>
<td>47.8750 x 86.1250</td>
<td>MSC-MH  90.5  MSC-FRM  87.375  MSC-FM  49.125</td>
</tr>
<tr>
<td>MSC-32</td>
<td>4 x 8</td>
<td>47.8750 x 98.1250</td>
<td>MSC-MH  102.5  MSC-FRM  99.375  MSC-FM  49.125</td>
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<td>MSC-40</td>
<td>4 x 10</td>
<td>47.8750 x 122.1250</td>
<td>MSC-MH  126.5  MSC-FRM  123.375  MSC-FM  49.125</td>
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AE and MSC Collector Dimensional Specifications

DIMENSIONAL DATA

H = Gross Frontal Area (ft²)
I = Transparent Frontal Area (ft²)
J = Absorber Plate Area (ft²)

Eagle Sun™ Collectors - Mechanical Specifications

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<td>20.8 ft²</td>
<td>23.7 ft²</td>
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<td>31.8 ft²</td>
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<td>I</td>
<td>19.2 ft²</td>
<td>21.9 ft²</td>
<td>23.6 ft²</td>
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<td>J</td>
<td>19 ft²</td>
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<td>WEIGHT</td>
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<td>84 lbs</td>
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<td>FLUID CAPACITY</td>
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<td>0.76 gals</td>
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<td>0.96 gals</td>
<td>1.05 gals</td>
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### AET Collector Ratings

#### Solar Rating Certifications Corp

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<th>Category (T-Ta)</th>
<th>CLEAR DAY 2000 Btu/ft².d</th>
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<td>A(-9F)</td>
<td>29 / 27</td>
<td>22 / 20</td>
<td>15 / 14</td>
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<td>B(9F)</td>
<td>26 / 25</td>
<td>19 / 18</td>
<td>12 / 11</td>
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<tr>
<td>C(36F)</td>
<td>22 / 21</td>
<td>15 / 14</td>
<td>8 / 8</td>
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<tr>
<td>D(90F)</td>
<td>13 / 12</td>
<td>7 / 7</td>
<td>2 / 1</td>
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<tr>
<td>E(144F)</td>
<td>5 / 5</td>
<td>1 / 1</td>
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<th>CLEAR DAY 2000 Btu/ft².d</th>
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<th>CLOUDY DAY 1000 Btu/ft².d</th>
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<td>33 / 31</td>
<td>25 / 23</td>
<td>17 / 16</td>
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<td>B(9F)</td>
<td>30 / 28</td>
<td>22 / 21</td>
<td>14 / 13</td>
</tr>
<tr>
<td>C(36F)</td>
<td>25 / 24</td>
<td>17 / 16</td>
<td>9 / 9</td>
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<tr>
<td>D(90F)</td>
<td>15 / 14</td>
<td>8 / 8</td>
<td>2 / 2</td>
</tr>
<tr>
<td>E(144F)</td>
<td>6 / 6</td>
<td>1 / 1</td>
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<th>Category (T-Ta)</th>
<th>CLEAR DAY 2000 Btu/ft².d</th>
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<tbody>
<tr>
<td>A(-9F)</td>
<td>35 / 33</td>
<td>26 / 25</td>
<td>18 / 17</td>
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<tr>
<td>B(9F)</td>
<td>30 / 28</td>
<td>23 / 22</td>
<td>15 / 14</td>
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<tr>
<td>C(36F)</td>
<td>27 / 25</td>
<td>18 / 17</td>
<td>10 / 9</td>
</tr>
<tr>
<td>D(90F)</td>
<td>16 / 15</td>
<td>8 / 8</td>
<td>2 / 2</td>
</tr>
<tr>
<td>E(144F)</td>
<td>6 / 6</td>
<td>1 / 1</td>
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<table>
<thead>
<tr>
<th>Category (T-Ta)</th>
<th>CLEAR DAY 2000 Btu/ft².d</th>
<th>MILDLY CLOUDY DAY 1500 Btu/ft².d</th>
<th>CLOUDY DAY 1000 Btu/ft².d</th>
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<tr>
<td>A(-9F)</td>
<td>39 / 37</td>
<td>29 / 28</td>
<td>20 / 19</td>
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<tr>
<td>B(9F)</td>
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<tr>
<td>C(36F)</td>
<td>29 / 28</td>
<td>20 / 19</td>
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<tr>
<td>D(90F)</td>
<td>18 / 17</td>
<td>9 / 9</td>
<td>2 / 2</td>
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<tr>
<td>E(144F)</td>
<td>7 / 6</td>
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<th>Category (T-Ta)</th>
<th>CLEAR DAY 2000 Btu/ft².d</th>
<th>MILDLY CLOUDY DAY 1500 Btu/ft².d</th>
<th>CLOUDY DAY 1000 Btu/ft².d</th>
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<td>23 / 21</td>
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<td>D(90F)</td>
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<td>2 / 2</td>
</tr>
<tr>
<td>E(144F)</td>
<td>8 / 7</td>
<td>1 / 1</td>
<td>--</td>
</tr>
</tbody>
</table>

### Alternate Energy Technologies, LLC

P.O. BOX 61326 · JACKSONVILLE, FL 32236
800.874.2190 · FX 904.781.1911 · info@aetsolar.com
Collector Warranty

ALTERNATE ENERGY TECHNOLOGIES, LLC (AET) FULL TEN YEAR WARRANTY ON THE MORNING STAR & ALTERNATE ENERGY SOLAR COLLECTORS

1.) SCOPE OF COVERAGE - This warranty applies to a new solar collector purchased by the end user. The warranty covers the collector as a whole including all of its components and parts. It extends to the first buyer and to any subsequent owners of the system for a total of Ten (10) years.

2.) WARRANTY ON THE COLLECTOR - Alternate Energy Technologies, LLC (AET) warrants fully its solar collectors to be free from defects in both material and workmanship for a total period of ten years from date of installation acceptance by the original owner. If a failure does occur during the warranty period, AET will provide a new part, or at AET’s option, have repaired any part of the collector. A new warranty shall apply to any replacement part, but shall be limited in time to the remainder of the original warranty period. This warranty applies to collectors installed for use as a heat collector to provide energy for use in medium temperature range applications (110 to 210 degrees Fahrenheit) only.

3.) SERVICE LABOR RESPONSIBILITY - This warranty covers labor expenses for removal and reinstallation. AET will pay up to one hundred dollars ($100.00) per collector for such expenses.

4.) ABSORBER SURFACE - AET warrants fully for a period of ten years against degradation of the absorber surface, which would significantly affect the collector performance.

5.) WARRANTY EXCLUSIONS:
   A.) This Warranty Will Not Apply To the Following Exclusions
      1.) To defects or malfunctions resulting from failure to properly install, operate, or maintain the collector.
      2.) To damage from abuse, accident, fire, flood, hail, wind or other acts of God.
      3.) To glass breakage.
      4.) To collector failure which occurs due to damage caused by heat transfer fluids.
      5.) If the collector is moved from the original installation location.
      6.) When the collector is installed as a roof membrane or as an integral part of an existing roof membrane.
      7.) To damage cause by freeze.
   B.) Limitation on Exclusion from Coverage - Conditions that may occur in the normal operation of the collector shall not be invoked by AET to reduce the coverage of this warranty.

6.) OTHER RIGHTS AND REMEDIES
   A.) Consequential and Incidental Damages - AET shall not be liable for: (1) Consequential damages to the system in which the improperly functioning collector is installed, and (2) Incidental expenses incurred to repair or replace, as necessary, any other obligations or liability in connection with the collector.
   B.) No Other Expressed Warranties - Unless otherwise explicitly agreed in writing, it is understood that these are the only written warranties given by AET, and AET neither assumes nor authorizes anyone to assume for it any other obligations or liability in connection with the collector.
   C.) Implied Warranties - This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.
   D.) Right to Arbitration - Any dispute between the buyer and AET pertaining to this warranty how may, at the option of the buyer, be resolved by arbitration in the state installed according to the rules of the American Arbitration Association.
   E.) Right to Indemnity - AET will fully indemnify a licensed contractor who installs the collector and gives a written warranty as required by the California Solar Tax Credit Regulations, in the amount of any liability to the buyer under such warranty for a breech that is also a breech of the Manufacturer’s warranty to the buyer.

7.) FILING A CLAIM
All claims should be filed with the contractor or the Dealer from whom the collector was purchased. If unable to do so, please contact the AET Quality Control Department.

Alternate Energy Technologies, LLC
P.O. BOX 61326 · JACKSONVILLE, FL 32236
800.874.2190 · FX 904.781.1911 · info@aetsolar.com
EagleSun™ System
Solar Hot Water Heaters
EagleSun™ Solar Heating Systems

AET’s Eagle Sun™ Systems are self-sufficient, require little or no maintenance, and provide the homeowner with most of their hot water needs FREE from the sun. Solar Water Heating Systems are constructed in four basic types of pre-engineered systems for easy sizing and installation with attractive skylight collector designs.

1. **Thermosiphon Systems (Passive)**, reliable in tropical climates, operate using natural convection and so have no moving parts.

   **Systems Contain:** Collector(s), mount(s), storage tank (with or without electrical backup element), plumbing connections.

2. **Direct Systems (Active)**, with AC pump and control, or with DC pump and photovoltaic panel, that absorb the sun’s heat and directly heats water, are the most effective systems for temperate and tropical climates.

   **System Kits Contain:** differential controller with two sensors, circulation pump w/ flange set, storage tank (with electrical backup element), and boiler drain. DPV systems include PV panel and DC powered circulation pump (no controller); collector(s), mount(s).

3. **Indirect Pressurized Systems (Active)**, with AC pump and control, or with DC pump and photovoltaic panel, are designed to accommodate freezing climates.

   **System Kits Contain:** differential controller with two sensors, circulation pump w/ flange set, (heat exchange) storage tank (with electrical backup element), and boiler drain. IPV systems include PV panel and DC powered circulation pump (no controller); collector(s), mount(s).

4. **Indirect Drainback Systems (Active)**, designed to protect from freezing climates, overheating, and aggressive water, and have minimal components to ensure years of maintenance free operation.

   **System Kits Contain:** drainback reservoir / heat exchange DX drainback reservoir, differential controller w. two sensors, one cast iron circulation pump w/ flange set, (one bronze circulation pump), storage tank (with electrical back-up)/ heat exchanger storage tank (with electrical backup element), and boiler drain; collector(s), mount(s).

**All Solar Collectors and pre-engineered AET systems have been designed and constructed to meet or exceed all known national plumbing, electrical and solar standards and codes nationwide.**
EagleSun™ System
Solar Hot Water Heaters

The more you use your EagleSun™ System, the more energy you save.

EagleSun™ Systems provide all your hot water needs for every season, even on cloudy days, by using clean, renewable solar energy. It is the only household appliance to pay for itself several times during its useful life. EagleSun™ Systems help save the environment as they save you money. Your energy bills will decline drastically and immediately as you enjoy the comfort of Solar Hot Water every day.

System Features:

• Attractive Skylight Collector Design
• 30+ Year Design Life
• 10 Year Collector Warranty
• Electrical Backup
• Conforms to all Plumbing, Electrical, and Solar Standards
• Exceeds Energy Star Criteria and Delivers Maximum Credit Toward Energy Efficiency Compliance.
Free-Flow “FF” Thermosiphon System

The Free Flow Series is a Thermosiphon system. As a self-contained solar water heating system, the Free Flow Systems have collector(s) positioned lower than the tank(s) and operate on the principle of natural convection. As the sun heats the water in the collector, it expands slightly and becomes lighter, causing the water to rise into the tank in the same way that a balloon rises in the air. The colder, heavier, water in the tank then sinks into the collector. These events create a continuous natural circulation.

Free Flow System Features:

Thermosiphon systems are widely accepted throughout the world today. They are automatic, simple, and reliable.

Thermosiphon Systems do not require a pump or control.

There are no moving parts, which allows for minimal, if any, maintenance concerns.
Direct “D” System

The Direct Series systems, commonly found in the Southern United States and Tropical Climates, are referred to as direct because the sun’s heat is transferred through the collector directly to the usable waterline; no antifreeze is required. When the sun is shining, a pump circulates water from the bottom of a storage tank through collectors where it is heated, and then returned to the tank for storage and eventual use.

D System Features:

A Differential Control senses temperature differences between water leaving the collector and the coldest water in the bottom of the storage tank. When the temperature of the water in the collector is hotter than the water in the tank, the differential control operates the circulating pump.

Freeze protection includes a thermally operated valve installed at the collector (where required) or by manually draining.
Direct Photovoltaic Powered “DPV” System

The Direct Series systems, commonly found in the Southern United States and Tropical Climates, are referred to as direct because the sun’s heat is transferred through the collector directly to the usable waterline; no antifreeze is required. When the sun is shining, a pump circulates water from the bottom of a storage tank through collectors where it is heated, and then returned to the tank for storage and eventual use.

**DPV System Features:**

Freeze protection includes a thermally operated valve installed at the collector (where required) or by manually draining.

A small photovoltaic solar panel option (which generates electricity from the sun) is available to operate the circulation pump, further reducing traditional energy consumption.
Indirect Pressurized “I” System

The Indirect Pressurized Series is a type of Residential Solar Hot Water System referred to as “indirect” because the sun, through a roof-mounted collector, heats fluid circulating in a closed-off solar loop that never comes in direct contact with usable water stored in an insulated tank.

I System Features:

Accommodates climates where freezing weather occurs more frequently.

A Differential Control senses temperature differences between water leaving the collector and the coldest water in the bottom of the storage tank. When the temperature of the water in the collector is hotter than the water in the tank, the differential control operates the circulating pump.

A heat exchanger is located within the storage tank to maximize the heat transfer from the antifreeze solution to the coldest water in the storage tank.

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Alternate Energy Technologies, LLC
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Indirect Pressurized Photovoltaic “IPV” System

The Indirect Pressurized Series is a type of Residential Solar Hot Water System referred to as “indirect” because the sun, through a roof-mounted collector, heats fluid circulating in a closed-off solar loop that never comes in direct contact with usable water stored in an insulated tank.

**IPV System Features:**
Accommodates climates where freezing weather occurs more frequently.

A heat exchanger is located within the storage tank to maximize the heat transfer from the antifreeze solution to the coldest water in the storage tank.

A small photovoltaic solar panel option (which generates electricity from the sun) is available to operate the circulation pump, further reducing traditional energy consumption.
Indirect Drainback System - “DX” System

The Drainback Series is an indirect system. It is referred to as “indirect” because the sun, through a roof-mounted collector, heats fluid circulating in a closed-off solar loop that never comes in direct contact with usable water stored in an insulated tank. Drainback Systems Less moving parts and fewer maintenance concerns

Method of Heat Exchange: the “DX” Drainback Systems’ Drainback reservoir contains a built-in heat exchanger. As the heat transfer fluid is circulated through the solar collector loop, water is circulated from the hot water tank through the finned coil heat exchanger inside the reservoir.

DX System Features:

Removes all water from the collectors, and their pipelines to ensure they never freeze when the system is not producing heat (drain mode). Each time the pump shuts off, the water in the collector(s) and piping, which are mounted at a slight angle, drains into the insulated reservoir tank.

A sight glass attached to the reservoir tank indicates that the collector(s) has been completely drained.

A Differential Control senses temperature differences between water leaving the collector and the coldest water in the bottom of the storage tank. When the temperature of the water in the collector is hotter than the water in the tank, the differential control operates the circulating pump.
Indirect Drainback System - “DB” System

The Drainback Series is an indirect system. It is referred to as “indirect” because the sun, through a roof-mounted collector, heats fluid circulating in a closed-off solar loop that never comes in direct contact with usable water stored in an insulated tank.

**Method of Heat Exchange:** The “DB” System has an internal heat exchanger located in storage tank. The heat exchanger wraps around the perimeter of the storage tank, heating the potable water in the tank.

**DB System Features:**

Removes all water from the collectors and pipelines to ensure they never freeze when the system is not producing heat (drain mode).

A sight glass attached to the reservoir tank indicates that the collector(s) has been completely drained.

A Differential Control detects temperature differences between water in the collector and storage tank operating the circulating pump.

Less moving parts allows for fewer maintenance concerns.
EagleSun™ Pool Heating
EagleSun™ Pool Heating Benefits

**Swim Longer**
Installing a solar pool heating system will increase, sometimes even double, the amount of time your swimming pool can be comfortably used during the year.

**Economical**
When compared to heating your pool with other methods, solar heating can pay for itself in as little as 3 years.

**Environmentally Safe**
Solar Pool heaters use solar energy to provide a clean energy alternative to conventional heating sources that pollute the environment.

**Maintenance Free**
Once the panels are installed, you can relax in your warm pool without any additional maintenance or cost involved.

**Quality**
With up to 35% more polypropylene and UV stabilizers than any other manufacturer, EagleSun™ Pool Panels keep your pool heated longer and have a longer life expectancy.

**Hurricane Tested**
EagleSun™ panels can withstand hurricane force winds of 159.6 mph!

** Guarantee**
EagleSun™ Products are backed by a comprehensive 10 Year Limited Lifetime Warranty to ensure years of enjoyment.
EagleSun™ Pool Heating System

1. Solar Collectors: Absorb the sun’s heat efficiently and transfer the energy to the swimming pool water that is pumped through them.

2. Manual Control: Turns the pool heating system on or off as required.

3. Pump and Filter: Circulate clean water to the pool and collector when required.

4. Check Valve: Used to prevent back flow circulation in the solar collectors at night and allows for sustained drainage.

5. EPDM Collector Hoses: Join the solar collectors together and connect the supply and return piping to the collector array.

6. Long Mounting Straps: Used to secure the solar collectors to the roof.

7. Header Straps: Installed on the top header of the solar collectors only. Used to bear the weight of the collector.

8. Stainless Clips: Used to secure the mounting straps to the roof. Roof sealant is used to assure the integrity of the roof.
EagleSun™ Pool Panel & System Components

2.0” Header Solar Panel

Overall Length:
ES-48P  144”
ES-40P  120.25”
ES-32P  95.88”

Header Outside Diameter: 2.31”
Header Length: 50.75”

Panel Kit (1 per panel)

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<tr>
<th>Kit Includes</th>
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<tr>
<td>Rubber Hose</td>
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<td>LAG Screw</td>
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<td>Strap Clip</td>
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<td>Pipe Strap</td>
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System Kit (1 per system)

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<tbody>
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<td>Pipe Strap</td>
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<tr>
<td>Pipe-to-Panel Adapter</td>
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<tr>
<td>Grooved Plug</td>
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Vacuum Breaker Kit (1 per system)

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<td>Vacuum Breaker</td>
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### EagleSun™ Pool Panels

#### Technical Information

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<th>Size</th>
<th>Overall Length</th>
<th>Absorber Width</th>
<th>Header Length</th>
<th>Header OD</th>
<th>Header ID</th>
<th>Gross Area</th>
<th>Net Area</th>
<th>Number of Flow Channels</th>
<th>Nominal Hole Size</th>
<th>Weight</th>
<th>Fluid Capacity</th>
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<td>4 x 12</td>
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<td>47.63</td>
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<td>0.156</td>
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**WEIGHT**

- Dry: Lbs
  - 30
  - 25
  - 20
- Wet: Lbs
  - 64.4
  - 55.5
  - 46.6
- Wet Dispersed: Lbs/sq ft
  - 1.31
  - 1.35
  - 1.41
- Fluid Capacity: Gal
  - 4.13
  - 3.66
  - 3.19

**FLOW RATES**

- Max: Gpm
  - 10
  - 10
  - 10
- Min: Gpm
  - 3
  - 2.5
  - 2.5
- Recommended: Gpm
  - 4.95
  - 4.95
  - 4.95
- Max # panels in parallel: Panels
  - 10
  - 12
  - 14

**PRESSURE**

- Drop: Psi
  - 0.15
  - 0.15
  - 0.15
- Max test: Psi
  - 80
  - 80
  - 80
- Max operating range: Psi
  - +/- 10
  - +/- 10
  - +/- 10
- Max operating spike: Psi
  - 35
  - 35
  - 35

**PERFORMANCE**

- FSEC Certification: BTU/day
  - 45600
  - 38100
  - 30400
- Wind Load: mph
  - 150
  - 150
  - 150
EagleSun Pool Panel Warranty

10 Year Limited Lifetime Warranty
Including Internal Freeze Protection
Alternate Energy Technology, LLC. (AET) the “Warrantor” warrants the EagleSun solar pool panels manufactured by it the “Panel”, to be free from defects in material and workmanship from the date of purchase by owner the “Consumer”, subject to the following limitations, terms, and conditions.

1. Duration of the Warranty
1.1. First Period: Ten (10) Years Warranty.
1.2. Second Period: Lifetime Limited Warranty.

2. Warrantors Obligations
2.1. During the First Period (10 Years), the Warrantor shall be required to exchange a defective Panel due solely to faulty materials or workmanship.
2.2. During the Second Period, the Warrantor shall be required, under this Limited Lifetime Warranty, to replace a defective Panel due solely to faulty materials or workmanship the cost of such replacement will be 50% of the published Panel List Price, in effect at the time of discovery, to be assumed by the Consumer.

3. Installation Conditions
3.1. The Panel must be installed in accordance with The EagleSun Installation Manual. Local installation regulation shall provide the base standards by which the installation is performed. Installation standards include but are not limited to:
3.1.1. The Panel must be fully drained when they are not in use.
3.1.2. The Panel must not rest on any sharp objects.
3.1.3. The Panel must not be anchored at both the top and bottom header.
3.1.4. The Panel must be supplied with filtered water.
3.1.5. The Panel has to be installed and serviced exclusively by an AET/EagleSun Authorized Dealer.

4. Transferability of Warranty
4.1. This warranty is solely for the benefit of the original Consumer and is therefore not transferable. If at any time, the Panel is resold or has changed ownership; the Warranty shall be null and void.
4.2. You have the option to apply directly with AET for a Transferability Addendum to this warranty. The cost of this Transferability Addendum is 50% of the current list price of a Panel per Panel sold and installed (as per the original sales contract and Warranty Card). This application and payment must be returned in to AET within 90 days of the change in original ownership. We reserve the right to refuse any application.

5. Exclusion of Coverage
5.1. This Warranty extends only to damages resulting from defects in materials and workmanship. It does not extend to damage caused by Consumer neglect, misuse, abuse, accidents, storms, abnormal weather conditions, freight, Improper Installation, or by any other fortuitous event caused by any other means whatsoever being out of Warrantor's direct control.
5.2. This Warranty does not cover any cost of labor in its execution. Any labor incurred in the execution of this Warranty is the sole responsibility of the Consumer.
5.3. Warrantor shall not be liable for any direct or indirect damages resulting from the Panel or Defective Panel, and or its installation.
5.4. No Warranties are, or have been made by Warrantor with respect to the Panel other than those expressly included in this Warranty.

6. Extent of Warrantor's Liability
6.1. Warrantor's liability under this Warranty can never exceed the cost of the Panel purchased directly from AET by its wholesaler or dealer.

7. Responsibility of the Consumer
7.1. The enclosed Warranty Card must be fully completed by Consumer and returned to Warrantor within (30) days from the date of purchase by Consumer.
7.2. If, at any time during the period covered by this Warranty, Consumer discovers a Panel to be defective, notice of such faulty conditions shall be given by Consumer to Warrantor in writing within (30) days of discovery of such faulty condition.
7.3. The Consumer is responsible for the good working condition of the system. If you find that your system IS not in good working condition, contact your AET Authorized Dealer immediately.
7.4. The Consumer is responsible for the good working condition of the system. If you find your system is not in good working condition, contact your AET Authorized Dealer immediately.

8. Shipping Costs and Authorization
8.1. Prior to returning any defective Panel to the Warrantor, written authorization must be received from the Warrantor. If authorization instructions are not followed, this Warranty shall become null and void.
8.2. The Consumer IS responsible for any freight involved in returning to the Warrantor's Plant, any defective Panel for exchange under this Warranty.
8.3. Upon approval of the warranty claim, the Warrantor will make available a Replacement Panel for the Consumer.
8.3.1. The Consumer can opt to pick up the Replacement Panel from the Warrantor's Plant.
8.3.2. The Consumer can opt for the Warrantor to ship the Replacement Panel to the Consumer, at the Consumer sole expense.

Local legislation may extend Legal Rights beyond the ones included in this Warranty.
Thermafin Manufacturing, an OEM Supplier, has the distinction of producing the world's finest and most efficient solar products, working alongside AET to produce the most effective solar products available on the market today. Innovative technologies developed by Thermafin have an unmatched competitive edge. The basic challenge in the use of solar energy is to transform solar energy radiation into useful heat. Thermafin Manufacturing has set a benchmark.

**Protect Your Investment, Insist on Thermafin**

Efficient solar energy collection starts with high thermal conductivity between fin and tube inside the solar collector. For lasting performance and durability, this fin-to-tube joint must be highly conductive and strong enough to endure the unrelenting torture of the sun's rays - which can cause other types of joints to weaken, expand and pull apart. The high frequency weld of our fintube joint insures high efficiency and unsurpassed strength. There are no solder or crimped-seam joints to weaken and fail. THERMAFIN Manufacturing components perform with the highest efficiency year after year.

**Forge Welding Process**

This manufacturing process provides complete and permanent bonding of fin to tube. During production of Thermafin’s patented absorber fins we use an EMF (Electro Magnetic Field) welding process fusing the fins and tubes seamlessly together.

Thermafin designed and introduced a complete new generation of high-frequency forge welded fintubes for thermal absorbers which increased thermal and mechanical durability, conductivity and the overall efficiency of absorber plates.

Learn more at www.Thermafin.com
Crystal Clear™ Solar Selective Coating
by Thermafin

Every AET/Thermafin Absorber Plate is coated with durable and efficient Crystal Clear™ Selective Coating. The coating, which cannot be removed from the fin on an absorber plate, is based on single-phase nano-technology, pioneered by AET/Thermafin. Crystal Clear™ Selective Coating increases solar collector efficiency due to its unique optical properties. It has the ability to strongly absorb short-wave light (absorptivity: <0.96) with while simultaneously reflecting long-wave light (emissivity >0.8). These intrinsic properties of Crystal Clear™ enable the collector to reach optimum temperature in a minimal amount of time and retain the absorbed heat longer.

Learn more at www.Thermafin.com
Absorber Plate Dimensions

<table>
<thead>
<tr>
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Contact AET for Absorber Plate Warranty

Learn more at www.Thermafin.com

Alternate Energy Technologies, LLC
P.O. BOX 61326 · JACKSONVILLE, FL 32236
800.874.2190 · FX 904.781.1911 · info@aetsolar.com
Thermafin Manufacturing Warranty

Five-Year Limited Warranty-Trade
Thermafin Manufacturing, LC warrants that its welded solar absorber plates and fin tubes will be free of defects in workmanship or material. This warranty does not apply to absorber coatings. Thermafin’s liability hereunder is limited to the repair or, at its option, replacement at its plant at Jacksonville, Florida, of items which prove to be defective within five years from the date of original shipment by Thermafin. Thermafin shall not under any circumstances be liable: (1) for any of Buyer’s manufacturing costs, lost profits or goodwill or any incidental or consequential damages; or (2) for any cost of removal or reinstallation of plates or fintubes or the cost of transportation to Jacksonville; or (3) for any defects of which Thermafin is not notified within the applicable time spans after the date of original shipment by Thermafin.

Thirty-Year Limited Warranty-Trade
Thermafin Manufacturing LC also warrants that the welded joint between copper tube and copper fin will maintain its structural and thermal integrity for the life of the tube or fin or for a period of thirty years, whichever occurs first. Thermafin’s liability hereunder is limited to the repair or at its option, replacement at its plant in Jacksonville, Florida, of welded joints which prove to be defective within thirty years from the date of original shipment by Thermafin. Thermafin shall not under any circumstances be liable: (1) for any of Buyer’s manufacturing costs, lost profits or goodwill or any incidental or consequential damages; or (2) for any cost of removal or reinstallation of plates or fintubes or the cost of transportation to Jacksonville; or (3) for any defects of which Thermafin is not notified within the applicable time spans after the date of original shipment by Thermafin.

Under no circumstances will Thermafin have any liability under this warranty if plates or fintubes are not properly maintained; or plates or fintubes are subjected to abuse, accident or alteration; or damage due to corrosion caused by extreme water conditions.

These warranties are made only to manufacturers, fabricators, jobbers, and distributors who purchase directly from Thermafin or its distributors. These warranties are not made to consumers who purchase solar absorber plates or fintubes for household use or consumption. The rights under these warranties are not assignable or transferable, nor can they be passed through to consumers.

Claims under these warranties must be submitted in writing, with full details, to Thermafin Manufacturing LC, 1057 Ellis Road N, Unit #2, Jacksonville, FL 32254, promptly after defect and before returning product to Thermafin.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THESE WARRANTIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THESE WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.
Dealer Support Programs

Dealership Requirements and Information

Terms and Conditions

Engineering & Project Management

Commercial Installation

Training Seminars

Web Presence

Sales & Marketing

AET Communications
Engineering & Project Management

Authorized dealers have the opportunity to take advantage of AET’s experience and expertise with access to capabilities that include working with your architect, engineer, or builder. Our experienced professional staff can provide complete system engineering and project management services including:

Feasibility Studies
(Onsite inspection must be performed; information must be submitted to AET by Dealer)

Custom Designs and Specifications

Detail Design

Standard Manuals for System Documentation

Installation Support Line

IKEA™ Building (Orlando, FL)

AET Dealer: Sunstuff of Asheville (Asheville, NC)

AET Dealer: Hot Water Products (Milwaukee, WI)
System Sizing Methods

There are several methods used to properly size solar water heating systems.

**RETScreen Analysis (Commercial and Residential)**

One of the most cost-effective and accurate methods of sizing systems is to download free RETScreen Software for the RETScreen International Clean Energy Decision Support Centre. [www.retscreen.net](http://www.retscreen.net)

“The RETScreen International Clean Energy Project Analysis Software is a unique decision support tool developed with the contribution of numerous experts from government, industry, and academia. The software, provided free-of-charge, can be used worldwide to evaluate the energy production and savings, life-cycle costs, emission reductions, financial viability and risk for various types of energy efficient and renewable energy technologies (RETs). The software also includes product, cost and climate databases, and a detailed online user manual. Other tools include: a case study based college/university-level training course; an engineering electronic textbook; and this Website. All of these tools are available free-of-charge in English and French, with many of the tools available in other languages.”


Although the software is easy to use, Dealers may find our customer support staff useful when calculating initial RETScreen analyses.

**Rule of Thumb (Residential)**

An easy way of estimating residential system sizing is to use the following formula:

Determine Delta T (ΔT): the difference between the desired water temperature (usually 140° F for residential) and groundwater supply temperature (may require some research).

Determine the size of the storage reservoir by estimating 20 gallons of hot water usage per day for the initial resident and 15 gallons per day for each additional occupant. Consider maximum potential occupancy and round figures up for available sizes.

Multiply ΔT by the weight of water in pounds per gallon (8.34) and the storage tank size (gallons) to determine desired Btu output.

Estimate that an AET collector will produce 1,000 Btu per day per square foot and size accordingly (for example: an AE-40, 4’x10’ collector, 40 sq. ft, will produce roughly 40,000 Btu per day).

*The following Sizing Survey is useful for determining factors involved with sizing applications*
Pool System Sizing Calculations

Follow these steps to determine how many solar panels a pool may need.

1. **Determine the size of the pool.**
2. **Determine the direction that the roof is facing.**

The relationship between the direction of the roof and the size of the system is as follows:

1. South (preferred direction) – System should represent 85% of the pool area.
2. West - System should represent 95 - 100% of the pool area.
3. East - System should represent 100 - 105% of the pool area.

4. **Decide which size panels you want.**

Panels are available in 4 x 8, 4 x 10, and 4 x 12. Divide by 32, 40, or 48 respectively to determine the number of panels needed. The average system size is 7 panels, and the most popular size is 1.5" header 4’ x 12’.

**Example:**

- Homeowner has 16’ x 32’ pool with a south facing roof and wants to use 4’ x 10’ panels:
  - *Pool Size*: 16’ x 32’ = 512’ pool area.
  - *Required Solar Area*: 512’ x .85 = 435.2’
  - 4 x 10 = 40 sq ft per panel.
  - 435.2’ / 40’ = 10.88 or 11 panels needed.
Flow and Go Solar

AET manufactures and installs energy saving solar thermal water heating equipment that will greatly reduce the operating costs of commercial facilities. Solar water heaters will actually pay for themselves during the first few years of their thirty year design life, unlike most appliances.

Our in house installation division along with our engineers will work closely with you to design a properly size your system to maximize energy savings. In addition there is an uncapped 30% federal tax credit for commercial entities that install renewable energy systems such as the ones AET provides, as well as additional state and local utility incentives.

In order for AET to accurately determine how our solar thermal system can best fit your commercial needs we have some questions:

- What is your daily hot water consumption?
- Is there enough area with direct sun light for the solar array?
- Do you have enough room for storage?

Invest in our program and the design team at AET will:

- **Install the necessary flow meters and equipment to determine the specifics for your application.**
- AET will then provide you with a design that meets your needs and provide you with a detailed quote for your project.
- Once we have your approval AET will deliver the equipment to your site and our installation crew will complete your project.

While solar is an excellent alternative energy source it does not fit on every application. Therefore, AET has taken the time and effort to create a program to initiate a feasibility study in order to determine the best fit for your business.

Call today for more details 800.874.2190

**Investing in solar is Smart and will affect the world today, as well as the generations to come.**
Training

AET requires new dealers to attend a solar thermal training course and provide documentation of training completion. Below are three solar thermal training options:

1) FSEC (Florida Solar Energy Center) trainings in Cocoa, FL are scheduled at: www.fsec.ucf.edu

2) Check local area for solar thermal training classes and provide certificate of completion.

3) Schedule a staff or group training with AET’s onsite training program*.
   This training is taught by Jeremy Mills, Solar Specialist, FL License CVC56758.

*Training must be scheduled through AET based on availability.

Any comments, suggestions, questions, or concerns, please contact AET through email: info@aetsolar.com or direct telephone calls to AET Business Development Department.

Home and Trade Shows
Display Panel/ Marketing Material/ Lead Generation Tactics

2’ x 3’ mini display panel, perfect for home shows, are available at cost. It’s a working model which comes with standard/tilt mount hardware and two pieces of 18” strut for tilt mounting a panel in display position. Dealers may contact AET for assistance with Trade Show organization, presentation materials, ideas for lead generation, and other useful information for developing a strategy for a successful trade show.

Advertising Rebates

A portion of Active Dealers’ quarterly sales percentage will be rebated for AET approved marketing once volume levels are obtained. For more information contact the AET Sales and Marketing Department.

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<thead>
<tr>
<th>Level</th>
<th>Sales</th>
<th>Rebate</th>
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Dealer Communication
Press Releases/ Newsletters/ Email Notifications

We are routinely enhancing the network of communication and cooperation between AET and its dealers. AET will keep clients informed on all developments and we want to hear from Dealers and customers as well. As your business begins taking on contracts, send us images of your installations, we want you to be noticed!

Electronic newsletters are designed to keep you up-to-date with the latest innovations taking place at AET. The newsletter includes company specific information on product upgrades and press releases, and AET personnel changes, expansion, and updates. Details of AET’s expanding effort to provide superior technical and marketing support for our authorized dealers will be circulated routinely as features become available and summarized in the newsletters.

It’s recommended that all dealers have a functional email address. Most correspondence from AET will be transmitted via email due to the lower costs and environmental concerns of printing and mailing. Look for regular updates on AET’s parent webpage www.aetsolar.com.
AET Web Presence

www.AetSolar.com

The AET website is a valuable reference and promotional tool; add the AET websites to your favorites or bookmarks and regularly browse through all sections of the site. Becoming familiar with the navigation will allow quick access to information when assisting customers.

One of the most valuable aspects of the website is Technical information available.


www.EagleSunSystem.com

The EagleSun Website is designed to function as a Homer-owner focused sales presentation for both Domestic Hot Water and Pool Heating.

Features:
- Homepage contains a description of the EagleSun Brand and a "click to play" animated presentation which explains how the popular DX drainback system operates.
- Benefits page provides key selling points, listing the advantages of the EagleSun System.
- Pool Heating is featured as a single page with brief system explanations, selling points, and product features.
- Dealer Locator page will be updated regularly, listing AET authorized and active dealers, searchable by state. Note qualifications for obtaining and maintaining a dealer listing on the site. This function of the website is tremendously helpful as tool for lead generation.
- Solar Savings Estimator link (provided by findsolar.com) is located at the bottom of the each page of the site.

www.Thermafin.com

The Thermafin website, designed for OEM Manufacturers, contains information on AET’s Crystal Clear Selective Coatings and Thermafin Absorber Plates.
Sales and Marketing

Offering superior equipment is the primary goal of Alternate Energy Technologies; however, a manufacturer’s success is determined by the success of its dealers. AET is committed to providing its dealers with a series of support materials, the necessary tools to achieve our common goals. As an Authorized Dealer of AET Solar Products, you have access to a variety of materials designed to assist you as you build or improve the solar phase of your Company.

Printed Marketing Materials (U.S. Markets Only)

The objective of the EagleSun Website www.EagleSunSystem.com is to present key information and then guide consumers to dealers for further information. The Benefits Page and Pool Heating Pages contain tabs that allow for pdf downloads of EagleSun™ Marketing Materials. Pre-printed brochures are stocked by AET and available for purchase in packages of 100 (see marketing material price list). In addition to all brochures listed on www.EagleSunSystem.com, a color folder with the EagleSun™ Logo is available to house tabbed inserts, brochures, a tri-fold brochure, and additional information, with a slotted pocket to add a business card.

As tools for sales presentations and brochures for follow-up, attractive Eagle Sun™ marketing materials are crafted expressly for home-owners. The materials should provide marketing leadership to increase the success of your company.
Thank you for the time to learn more about AET Solar Products, please contact us for additional information. AET would appreciate you taking a moment to complete the following survey so we can learn how to better meet our customers needs as the Solar Industry continues to grow.

Survey

Company ___________________________ Phone ___________________________
Primary Contact ______________________ Email __________________________

How did you first hear about AET? _________________________________________

Did you find this Catalog to be useful?  □ YES  □ NO

Please use the following space to describe any further assistance that might be needed from AET.
________________________________________________________________________
________________________________________________________________________

Please use the following space to describe any services that are not offered by AET that you believe might be beneficial to a solar business.
________________________________________________________________________
________________________________________________________________________

Thank you for your interest in AET Solar Products.

Please Fax, Mail, or Scan and Email the Completed Survey to:

Info@aetsolar.com
Fax (904)781.1911

Alternate Energy Technologies, LLC
1057 N. Ellis Rd.
Jacksonville, FL 32254