



**ANNUAL PERFORMANCE
OF
OG-300 CERTIFIED SYSTEMS
IN
CALIFORNIA CLIMATE ZONE 5**

June 2008

Solar Rating & Certification Corporation
c/o FSEC, 1679 Clearlake Road
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SOLAR RATING AND CERTIFICATION CORPORATION

Estimated Annual Performance of OG-300 Certified Solar Water Heating Systems in California Climate Zone 5

Introduction

The Solar Rating and Certification Corporation (SRCC) is a non-profit organization whose primary purpose is the development and implementation of certification programs and national rating standards for solar energy equipment. The SRCC was incorporated in October of 1980 as an independent third-party certification entity. It is governed by a twelve-member board of Directors with representation from the public, private and generalist Sectors. It is unique in that it is the only national certification program established solely for solar energy products. It is also the only national certification organization whose programs are the direct result of combined efforts of state organizations involved in the administration of standards and an industry association.

The combined programs of the Solar Rating and Certification Corporation provide one-time certification, national recognition, product credibility, and standardized comparisons of solar energy products. The SRCC programs serve three primary constituencies: the solar energy industry, solar consumers, and state and federal regulatory bodies. All three constituencies benefit from the SRCC programs by obtaining a national state-of-the-art rating system, a mechanism to develop consumer confidence, and a rational and defensible criterion for tax credit qualification and other solar incentive programs.

The OG-300 certification program for solar water heating systems was established in 1992. It integrates results of collector tests and system tests with evaluations against minimum standards of system durability, reliability, safety and operation; as well as factors affecting total system design, installation, maintenance and service. A copy of the certification requirements¹ is available from SRCC.

Performance Estimation Procedures

SRCC uses a computer model² to estimate the thermal performance of solar water heating systems under specified conditions. A separate computer model for each system is developed from test data on some of the system components, manufacturer's literature on the others, and theoretical calculations. The SRCC rating calculated using the computer model is called the Solar Energy Factor. It is published in a Directory and in a summary booklet³. These ratings are based on conditions similar to the ones defined by the U.S.

¹ "Operating Guidelines and Minimum Standards for Certifying Solar Water Heating Systems", April 1997.

² "TRNSYS A Transient Simulation Program", Solar Energy Laboratory, University of Wisconsin - Madison, July 1994.

³ "Directory of SRCC Certified Solar Water Heating System Ratings" and the Summary are available from the SRCC web site at www.solar-rating.org.

Department of Energy for testing conventional water heaters. These conditions describe hot water usage for a single day. Keep in mind that these ratings are only estimates based on an assumed set of operating conditions and that your actual performance will vary depending your hot water usage pattern and actual weather conditions.

The estimated annual performance indicators given in the attached tables are different from the SRCC ratings and are not directly comparable. The annual performance listed in this booklet was developed to provide an estimate of how solar water heaters could perform over a whole year in a specific location. The SRCC rating estimates the performance of the systems under “rating” conditions. Once again, keep in mind that these ratings are only estimates.

Operating Conditions

The estimated annual performance listed in the attached tables is based on the following conditions:

| Condition | Value |
|-------------------------------------|---|
| Hot water load | 64.3 gallons (243 liters) per day drawn throughout the day with the maximum loads occurring at 8 am and 8 pm ⁴ . |
| Water mains temperature | Varied monthly using Zone 5 values ⁵ . |
| Collector orientation | Facing south at a tilt of 22.6°. |
| Distance from collector to tank | 25 feet (7.6 meters) pipe length (each way), 16 feet (4.9 meters) vertical rise. |
| Backup heater set point | 125°F (51.7°C) ⁶ |
| Weather conditions | California climate Zone 5 data from the California Energy Commission ⁷ |
| Air temperature around indoor tanks | $T_{air} + [(72 - T_{air})/3]$, this estimates the temperature in a garage. |

For reference, a conventional 50 gallon electric water heater with an energy factor of 0.9 would consume 4,400 kilowatt hours (kWh) per year under these conditions and a 50 gallon gas water heater with an energy factor of 0.6 would consume 215 therms (including delivered energy and losses).

⁴ This profile adapted from the 1995 ASHRAE Applications Handbook, Chapter 45, and “A Domestic Hot Water Use Database”, Becker and Stogdill, ASHRAE Journal, September 1990.

⁵ “F-Chart”, Klein and Beckman, F-Chart Software, 1993.

⁶ This set point was chosen as a compromise between the Department of Energy recommendation of 125°F (51.7°C), the plumbing code 120°F (48.9°C) maximum allowable in showers and tubs, and the 135°F (57.2°C) used in the Department of Energy test for conventional water heaters.

⁷ “Climate Zone Weather Data Analysis and Revision Project”, California Energy Commission, May 1992.

Table Entries

The tables give the estimated annual performance for all OG-300 certified solar water heating systems. There are separate tables for systems using electric and gas backup water heaters. The systems are listed by company name, system name and model number. The remaining columns are as follows:

System Number: SRCC's reference number. This number is used to cross-reference a specific system in the Directory.

FTL: This is the Freeze Tolerance Limit. The Freeze Tolerance Limit is the temperature below which the solar water heating system might suffer damage due to freezing. This means that if the outdoor air temperature drops near the freeze tolerance limit it is necessary to follow the instructions in the owner's manual for protecting the system.

Energy Savings: This is the estimated annual performance of the system. This value is the quantity of energy that did not have to be provided by electricity or gas because of the contribution of the solar water heating system. Note that the electricity required to operate any pumps and controllers used in a particular system has been accounted for.

Comments: This column lists additional information regarding specific systems.

Solar Rating and Certification Corporation
Estimated Annual Performance of OG-300 Certified Solar Water Heating Systems
California Climate Zone 5
with Electric Backup

| System Name | System Model | System Number | FTL (°F) | Energy Savings* (kWhr) | Comments |
|--------------------------------------|----------------|---------------|----------|------------------------|----------|
| ACR Solar International | | | | | |
| Skyline System 3 | 100133C50 | 1999003G | 30 | 2500 | |
| Skyline System 3 | 200131C50 | 1999003A | 30 | 2000 | |
| Skyline System 3 | 200132C50 | 1999003B | 30 | 2900 | |
| Skyline System 3 | 200132C502TE | 2002002A | 30 | 2600 | |
| Skyline System 3 | 200132C50T20E | 2002004A | 20 | 2500 | |
| Skyline System 3 | 200132C80 | 1999003F | 30 | 3000 | |
| Skyline System 3 | 200133C50 | 1999003D | 30 | 3500 | |
| Skyline System 3 | 200133C80 | 1999003C | 30 | 3600 | |
| Skyline System 5 | 200152C80EX | 2000007A | -54 | 2500 | |
| Skyline System 5 | 200152C80EX2TE | 2002003A | -54 | 2300 | |
| Skyline System 5 | 200153C80EX | 2000007B | -54 | 3100 | |
| Skyline System 5 | 200153C80EX2TE | 2002003B | -54 | 2900 | |
| Skyline System 5 | 200154C80EX | 2000007C | -54 | 3400 | |
| Alternate Energy Technologies | | | | | |
| EagleSun | DB-120-64 | 2006006E | -20 | 3200 | |
| EagleSun | DB-120-80 | 2006006F | -20 | 3400 | |
| EagleSun | DB-120-96 | 2006006G | -20 | 3500 | |
| EagleSun | DB-80-40 | 2006006A | -20 | 2500 | |
| EagleSun | DB-80-52 | 2006006B | -20 | 2900 | |
| EagleSun | DB-80-64 | 2006006C | -20 | 3100 | |
| EagleSun | DB-80-80 | 2006006D | -20 | 3300 | |
| EagleSun DX | DX-120-64 | 2006007E | -20 | 3600 | |
| EagleSun DX | DX-120-80 | 2006007F | -20 | 3700 | |
| EagleSun DX | DX-120-96 | 2006007G | -20 | 3800 | |
| EagleSun DX | DX-80-40 | 2006007A | -20 | 3000 | |

*** A conventional 50 gallon electric water heater would consume 4400 kWh under these rating conditions.**

Prepared for California Zone5 by:
SOLAR RATING & CERTIFICATION CORPORATION
c/o FSEC ♦ 1679 Clearlake Road ♦ Cocoa, FL 32922 ♦ (321) 638-1537 ♦ Fax (321) 638-1010

| System Name | System Model | System Number | FTL (°F) | Energy Savings* (kWhr) | Comments |
|-------------------------------|---------------------|----------------------|-----------------|-------------------------------|-----------------|
| EagleSun DX | DX-80-52 | 2006007B | -20 | 3300 | |
| EagleSun DX | DX-80-64 | 2006007C | -20 | 3500 | |
| EagleSun DX | DX-80-80 | 2006007D | -20 | 3700 | |
| Bobcat & Sun, Inc. | | | | | |
| Sun-Pak | SP32CHE | 1994005E | -60 | 2000 | |
| Sun-Pak | SP32CHE-1 | 1994004E | -60 | 2300 | |
| Sun-Pak | SP32PHE | 1994005A | -60 | 1800 | |
| Sun-Pak | SP32PHE-1 | 1994004A | -60 | 2200 | |
| Sun-Pak | SP40CHE | 1994005G | -60 | 2400 | |
| Sun-Pak | SP40CHE-1 | 1994004G | -60 | 2700 | |
| Sun-Pak | SP40PHE | 1994005C | -60 | 2200 | |
| Sun-Pak | SP40PHE-1 | 1994004C | -60 | 2500 | |
| Sun-Pak | SP64CHE | 1994005F | -60 | 3200 | |
| Sun-Pak | SP64CHE-1 | 1994004F | -60 | 3300 | |
| Sun-Pak | SP64PHE | 1994005B | -60 | 3100 | |
| Sun-Pak | SP64PHE-1 | 1994004B | -60 | 3200 | |
| Sun-Pak | SP80CHE | 1994005H | -60 | 3400 | |
| Sun-Pak | SP80CHE-1 | 1994004H | -60 | 3500 | |
| Sun-Pak | SP80PHE | 1994005D | -60 | 3300 | |
| Sun-Pak | SP80PHE-1 | 1994004D | -60 | 3400 | |
| BTF, Ltd. | | | | | |
| Solar Patriot TM | SP20-1-65G-PV-E | 2006018A | -50 | 1600 | |
| Solar Patriot TM | SP20-2-80G-PV-E | 2006018B | -50 | 2500 | |
| Butler Sun Solutions | | | | | |
| Solar Butler | BSS-PV1-40Ea | 2005005A | -54 | 2200 | |
| Solar Butler | BSS-PV1-40Eb | 2005005B | -54 | 1300 | |
| Solar Butler | BSS-PV1-40Ec | 2005005I | -54 | 1900 | |
| Solar Butler | BSS-PV1-40Ed | 2005005J | -54 | 1900 | |
| Solar Butler | BSS-PV1-50Ea | 2005005C | -54 | 1900 | |

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (kWhr) | Comments |
|--------------------|---------------------|----------------------|-----------------|-------------------------------|-----------------|
| Solar Butler | BSS-PV1-50Ec | 2005005H | -54 | 1900 | |
| Solar Butler | BSS-PV1-80E2a | 2005008A | -54 | 2100 | |
| Solar Butler | BSS-PV1-80E2b | 2005008B | -54 | 2500 | |
| Solar Butler | BSS-PV1-80Ea | 2005005E | -54 | 2600 | |
| Solar Butler | BSS-PV1-80Ec | 2005005G | -54 | 2200 | |
| Solar Butler | BSS-S1-40Ea | 2003001A | -54 | 1600 | |
| Solar Butler | BSS-S1-40Eb | 2003001B | -54 | 1300 | |
| Solar Butler | BSS-S1-40Ec | 2003001I | -54 | 1800 | |
| Solar Butler | BSS-S1-50Ea | 2003001C | -54 | 1900 | |
| Solar Butler | BSS-S1-50Ec | 2003001H | -54 | 1800 | |
| Solar Butler | BSS-S1-80E2a | 2005007A | -54 | 2100 | |
| Solar Butler | BSS-S1-80E2b | 2005007B | -54 | 2500 | |
| Solar Butler | BSS-S1-80Ea | 2003001E | -54 | 2600 | |
| Solar Butler | BSS-S1-80Ec | 2003001G | -54 | 2200 | |

Davis Energy Group

| | | | | | |
|----------|------------|----------|----|------|--|
| SunCache | SCG-100-ES | 2007007B | 20 | 1500 | |
| SunCache | SCG-50-ES | 2007007A | 20 | 1300 | |
| SunCache | SCU-50-ES | 2004007A | 20 | 900 | |

Energy Laboratories, Inc.

| | | | | | |
|---------------------------------|-----------|----------|----|------|--|
| Roof Integrated Thermosiphon Sy | RITH 72 E | 2004006A | 22 | 2600 | |
|---------------------------------|-----------|----------|----|------|--|

Enerworks, Inc.

| | | | | | |
|-------------------------------|------------|----------|-----|------|--|
| Solar Water Heating Appliance | EWRA1-E40 | 2005012A | -50 | 2500 | |
| Solar Water Heating Appliance | EWRA1-E80 | 2005012B | -50 | 2500 | |
| Solar Water Heating Appliance | EWRA2-E100 | 2005012D | -50 | 3600 | |
| Solar Water Heating Appliance | EWRA2-E80 | 2005012C | -50 | 3700 | |
| Solar Water Heating Appliance | EWRA3-E100 | 2005012E | -50 | 3500 | |
| Solar Water Heating Appliance | EWRA3-E120 | 2005012F | -50 | 3600 | |
| Solar Water Heating Appliance | EWRA4-E120 | 2005012G | -50 | 3300 | |
| Solar Water Heating Appliance | EWRA4-E144 | 2005012H | -50 | 3300 | |

*** A conventional 50 gallon electric water heater would consume 4400 kWh under these rating conditions.**

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (kWhr) | Comments |
|-------------------------------|----------------------|---------------|----------|------------------------|----------|
| Fafco, Inc. | | | | | |
| Polymer Drainback | VDB-48U-50E | 2007002A | -20 | 2100 | |
| Polymer Drainback | VDB-48U-50E-50S | 2007003A | -20 | 1900 | |
| Polymer Drainback | VDB-48U-50E-80S | 2007003B | -20 | 2000 | |
| Polymer Drainback | VDB-48U-80E | 2007002B | -20 | 2800 | |
| Polymer Drainback | VDB-48UX2-50E | 2007002C | -20 | 2400 | |
| Polymer Drainback | VDB-48UX2-50E-50S | 2007003C | -20 | 2200 | |
| Polymer Drainback | VDB-48UX2-50E-80S | 2007003D | -20 | 2400 | |
| Polymer Drainback | VDB-48UX2-80E | 2007002D | -20 | 2800 | |
| Heat Transfer Products | | | | | |
| SuperStor Conntender Solar | SSC-119SE | 2007011C | -60 | 3500 | |
| SuperStor Contender Solar | SSC-50SE | 2007011A | -60 | 2400 | |
| SuperStor Contender Solar | SSC-80SE | 2007011B | -60 | 2800 | |
| SuperStor Ultra Solar | SSU-119SE | 2007019C | -60 | 3500 | |
| SuperStor Ultra Solar | SSU119SE-DW | 2007020B | -60 | 3500 | |
| SuperStor Ultra Solar | SSU-60SE | 2007019A | -60 | 2300 | |
| SuperStor Ultra Solar | SSU-80SE | 2007019B | -60 | 2900 | |
| SuperStor Ultra Solar | SSU80SE-DW | 2007020A | -60 | 2800 | |
| Heliodyne, Inc. | | | | | |
| Helio-Flo | HF 1408 G 80 AC S E | 2001023A | 27 | 3200 | |
| Helio-Flo | HF 1410 G 120 AC S E | 2001023C | 27 | 3700 | |
| Helio-Flo | HF 1410 G 80 AC D E | 2001024A | 27 | 3400 | |
| Helio-Flo | HF 1410 G 80 AC S E | 2001023B | 27 | 3600 | |
| Helio-Flo | HF 23366 G 80 AC D E | 2001024B | 27 | 3700 | |
| Helio-Flo | HF 23366 G 80 AC S E | 2001023D | 27 | 3800 | |
| Helio-Flo | HF 2408 G 120 AC D E | 2001024D | 27 | 3900 | |
| Helio-Flo | HF 2408 G 120 AC S E | 2001023F | 27 | 4000 | |
| Helio-Flo | HF 2408 G 80 AC D E | 2001024C | 27 | 3900 | |
| Helio-Flo | HF 2408 G 80 AC S E | 2001023E | 27 | 3900 | |

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (kWhr) | Comments |
|-------------|-----------------------------|---------------|----------|------------------------|----------|
| Helio-Flo | HF 2410 G 120 AC D E | 2001024E | 27 | 4100 | |
| Helio-Flo | HF 2410 G 120 AC S E | 2001023G | 27 | 4100 | |
| Helio-Flo | HF 3408 G 120 AC D E | 2001024F | 27 | 4000 | |
| Helio-Flo | HF 3408 G 120 AC S E | 2001023H | 27 | 4000 | |
| Helio-Flo | HF 3410 G 120 AC D E | 2001024G | 27 | 4000 | |
| Helio-Flo | HF 3410 G 160 AC S E | 2001023I | 27 | 4100 | |
| Heliopak | 16 DWCL HP 1 3366 G 50 ACS | 1992010J | -60 | 2500 | |
| Heliopak | 16 DWCL HP 1 3366 G 80 ACD | 1992013G | -60 | 2100 | |
| Heliopak | 16 DWCL HP 1 3366 G 80 ACS | 1992010K | -60 | 2500 | |
| Heliopak | 16 DWCL HP 1 408 G 65 ACD | 1992013F | -60 | 2500 | |
| Heliopak | 16 DWCL HP 1 408 G 65 ACS | 1992010A | -60 | 2800 | |
| Heliopak | 16 DWCL HP 1 408 G 65 PVD | 1996004C | -60 | 2600 | |
| Heliopak | 16 DWCL HP 1 408 G 65 PVS | 1996003C | -60 | 3000 | |
| Heliopak | 16 DWCL HP 1 408 G 80 ACD | 1992013I | -60 | 2500 | |
| Heliopak | 16 DWCL HP 1 408 G 80 ACS | 1992010N | -60 | 2800 | |
| Heliopak | 16 DWCL HP 1 410 G 65 ACD | 1992013A | -60 | 2900 | |
| Heliopak | 16 DWCL HP 1 410 G 80 ACD | 1992013J | -60 | 2900 | |
| Heliopak | 16 DWCL HP 1 410 G 80 ACS | 1992010B | -60 | 3200 | |
| Heliopak | 16 DWCL HP 1 410 G 80 PVD | 1996004A | -60 | 3000 | |
| Heliopak | 16 DWCL HP 1 410 G 80 PVS | 1996003A | -60 | 3400 | |
| Heliopak | 16 DWCL HP 2 3366 G 120 ACS | 1992010M | -60 | 3600 | |
| Heliopak | 16 DWCL HP 2 3366 G 80 ACD | 1992013H | -60 | 3400 | |
| Heliopak | 16 DWCL HP 2 3366 G 80 ACS | 1992010L | -60 | 3600 | |
| Heliopak | 16 DWCL HP 2 408 G 120 ACD | 1992013C | -60 | 3600 | |
| Heliopak | 16 DWCL HP 2 408 G 120 ACS | 1992010C | -60 | 3700 | |
| Heliopak | 16 DWCL HP 2 408 G 80 ACD | 1992013B | -60 | 3500 | |
| Heliopak | 16 DWCL HP 2 410 G 120 ACD | 1992013D | -60 | 3700 | |
| Heliopak | 16 DWCL HP 2 410 G 120 ACS | 1992010O | -60 | 3900 | |
| Heliopak | DWCL HE HP 1 3366 G 80 ACS | 1992010I | -60 | 2300 | |
| Heliopak | DWCL HE HP 1 408 G 80 ACS | 1992010D | -60 | 2600 | |
| Heliopak | DWCL HE HP 1 410 G 80 ACS | 1992010E | -60 | 3000 | |

*** A conventional 50 gallon electric water heater would consume 4400 kWh under these rating conditions.**

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (kWhr) | Comments |
|-----------------------|-------------------------------|---------------|----------|------------------------|----------|
| Helio-Pak Helix SS PV | HP HX SS 1 3366 G PV 50 EE S | 2005003A | -60 | 2500 | |
| Helio-Pak Helix SS PV | HP HX SS 1 3366 G PV 65 EE S | 2005003B | -60 | 2600 | |
| Helio-Pak Helix SS PV | HP HX SS 1 408 G PV 50 EE S | 2005003C | -60 | 2800 | |
| Helio-Pak Helix SS PV | HP HX SS 1 408 G PV 65 EE S | 2005003D | -60 | 2900 | |
| Helio-Pak Helix SS PV | HP HX SS 1 408 G PV 80 EE S | 2005003E | -60 | 2900 | |
| Helio-Pak Helix SS PV | HP HX SS 1 410 G PV 65 EE S | 2005003F | -60 | 3300 | |
| Helio-Pak Helix SS PV | HP HX SS 1 410 G PV 80 EE S | 2005003G | -60 | 3400 | |
| Helio-Pak Helix SS PV | HP HX SS 2 3366 G PV 80 EE S | 2005003H | -60 | 3700 | |
| Helio-Pak Helix SS PV | HP HX SS 2 408 G PV 120 SE S | 2005003I | -60 | 3900 | |
| Helio-Pak Helix SS PV | HP HX SS 2 410 G PV 120 SE S | 2005003J | -60 | 4000 | |
| Helio-Pak Helix SS PV | HP HX SS 3 3366 G PV 120 SE S | 2005003K | -60 | 4000 | |
| Helio-Pak Helix SS PV | HP HX SS 3 408 G PV 120 SE S | 2005003L | -60 | 4100 | |
| HP HELIX AC | HP 1 408 GAC WAC 50 S | 1999004A | -60 | 2600 | |
| HP HELIX AC | HP 1 410 GAC WAC 80 S | 1999004B | -60 | 3100 | |

Integrated Solar, LLC

| | | | | | |
|--------------------------------|---------------------|----------|-----|------|--|
| CopperSun | CS330-E | 1997001B | 20 | 1700 | |
| CopperSun | CS330SV-E | 2002007A | 20 | 1500 | |
| CopperSun | CS340-E | 1997001C | 20 | 1700 | |
| CopperSun | CS340SV-E | 2002007B | 20 | 1500 | |
| CopperSun | CS440-E | 1997001A | 20 | 1900 | |
| CopperSun | CS450-E | 1997001D | 20 | 1900 | |
| Radco Drainback Heat Exchanger | R-DBHX-12-120-D-80P | 1992007I | -60 | 3300 | |
| Radco Drainback Heat Exchanger | R-DBHX-8-120S-80P | 1994007C | -60 | 3400 | |
| Radco Drainback Heat Exchanger | R-DBHX-8-65-D-40P | 1992007A | -60 | 2300 | |
| Radco Drainback Heat Exchanger | R-DBHX-8-65S-40P | 1994007A | -60 | 2500 | |
| Radco Drainback Heat Exchanger | R-DBHX-8-80-D-64P | 1992007C | -60 | 3000 | |
| Radco Drainback Heat Exchanger | R-DBHX-8-80S-40C | 1994007E | -60 | 3000 | |
| Radco Drainback Heat Exchanger | R-DBHX-8-80S-40P | 1994007D | -60 | 2600 | |
| Radco Drainback Heat Exchanger | R-DBHX-8-80S-64P | 1994007B | -60 | 3200 | |

*** A conventional 50 gallon electric water heater would consume 4400 kWh under these rating conditions.**

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (kWhr) | Comments |
|-----------------------------|---------------------|----------------------|-----------------|-------------------------------|-----------------|
| Morley Manufacturing | | | | | |
| High Sierra Drainback | HS60B/40 | 1992014A | -60 | 2700 | |
| Mr. Sun Solar | | | | | |
| Sol-Reliant | SR 40/80 E PVDB | 2004008B | -50 | 3100 | |
| Sol-Reliant | SR 56/120 SE PVDB | 2007015A | -50 | 3800 | |
| Sol-Reliant | SR 56/80 E PVDB | 2004008A | -50 | 3700 | |
| Sol-Reliant | SR112/120 E PVDB | 2007025C | -50 | 4100 | |
| Sol-Reliant | SR112/80 E PVDB | 2007025B | -50 | 4100 | |
| Sol-Reliant | SR80/80 E PVDB | 2007025A | -50 | 3900 | |
| Pacific West Solar | | | | | |
| Freeze Safe SWH | FS410-80-1 | 2008001A | -9 | 2900 | |
| Power Partners, Inc. | | | | | |
| System 3 | 100133C50 | 2008002G | 30 | 2500 | |
| System 3 | 200131C50 | 2008002A | 30 | 2000 | |
| System 3 | 200132C50 | 2008002B | 30 | 2900 | |
| System 3 | 200132C502TE | 2008004A | 30 | 2600 | |
| System 3 | 200132C50T20E | 2008006A | 20 | 2500 | |
| System 3 | 200132C80 | 2008002F | 30 | 3000 | |
| System 3 | 200133C50 | 2008002D | 30 | 3500 | |
| System 3 | 200133C80 | 2008002C | 30 | 3600 | |
| System 5 | 200152C80EX | 2008003A | -54 | 2500 | |
| System 5 | 200152C80EX2TE | 2008005A | -54 | 2300 | |
| System 5 | 200153C80EX | 2008003B | -54 | 3100 | |
| System 5 | 200153C80EX2TE | 2008005B | -54 | 2900 | |
| System 5 | 200154C80EX | 2008003C | -54 | 3400 | |
| Rheem Water Heaters | | | | | |
| Rheem Solaraide | RS47-21BP | 2005013A | 19 | 1500 | |
| Rheem Solaraide | RS80-42BP | 2005013B | 19 | 2300 | |

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (kWhr) | Comments |
|----------------------------|-------------------------|----------------------|-----------------|-------------------------------|-----------------|
| Schuco USA L.P. | | | | | |
| Premium Package | Premium II-80E | 2006012A | -40 | 3200 | |
| Premium Package | Premium III-120E | 2006012B | -40 | 3600 | |
| Slimline Package | Slimline II-80E | 2006014A | -40 | 3100 | |
| Slimline Package | Slimline III-120E | 2006014B | -40 | 3500 | |
| Solahart Industries | | | | | |
| SOLAHART | 181BCXII | 2001011B | 19 | 1600 | |
| SOLAHART | 181J & 181J Free Heat | 2001010A | 19 | 1500 | |
| SOLAHART | 181KF & 181KF Free Heat | 2001011A | 19 | 1700 | |
| SOLAHART | 181L | 2001009A | 41 | 1500 | |
| SOLAHART | 182BCXII | 2001011D | 19 | 2600 | |
| SOLAHART | 182J & 182J Free Heat | 2001010B | 19 | 2300 | |
| SOLAHART | 182KF & 182KF Free Heat | 2001011C | 19 | 2600 | |
| SOLAHART | 302BCXII | 2001011F | 19 | 2600 | |
| SOLAHART | 302J & 302J Free Heat | 2001010C | 19 | 2300 | |
| SOLAHART | 302JXII | 2001010D | 19 | 2300 | |
| SOLAHART | 302KF & 302KF Free Heat | 2001011E | 19 | 2600 | |
| SOLAHART | 302L | 2001009B | 41 | 2300 | |
| SOLAHART | 303BCXII | 2001011H | 19 | 3200 | |
| SOLAHART | 303J & 303J Free Heat | 2001010E | 19 | 2900 | |
| SOLAHART | 303JXII | 2001010F | 19 | 2900 | |
| SOLAHART | 303KF & 303KF Free Heat | 2001011G | 19 | 3200 | |
| SOLAHART | 303L | 2001009C | 41 | 2900 | |
| SOLAHART | 443BCXII | 2001011J | 19 | 3200 | |
| SOLAHART | 443J & 443J Free Heat | 2001010G | 19 | 2800 | |
| SOLAHART | 443JXII | 2001010H | 19 | 2800 | |
| SOLAHART | 443KF & 443KF Free Heat | 2001011I | 19 | 3200 | |
| SOLAHART | 443L | 2001009D | 41 | 2900 | |
| SOLAHART | 444BCXII | 2001011L | 19 | 3500 | |
| SOLAHART | 444J & 444J Free Heat | 2001010I | 19 | 3100 | |

*** A conventional 50 gallon electric water heater would consume 4400 kWh under these rating conditions.**

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c/o FSEC ♦ 1679 Clearlake Road ♦ Cocoa, FL 32922 ♦ (321) 638-1537 ♦ Fax (321) 638-1010

| System Name | System Model | System Number | FTL (°F) | Energy Savings* (kWhr) | Comments |
|---------------------|-------------------------------|----------------------|-----------------|-------------------------------|-----------------|
| SOLAHART | 444JXII | 2001010J | 19 | 3100 | |
| SOLAHART | 444KF & 444KF Free Heat | 2001011K | 19 | 3500 | |
| SOLAHART | 444L | 2001009E | 41 | 3200 | |
| SOLAHART | ASE 181BCXII | 2001014B | 19 | 2000 | |
| SOLAHART | ASE 181J & ASE 181J Free Heat | 2001013A | 19 | 1800 | |
| SOLAHART | ASE 181KF & ASE 181KF Free He | 2001014A | 19 | 2000 | |
| SOLAHART | ASE 181L | 2001012A | 41 | 1700 | |
| SOLAHART | ASE 182BCXII | 2001014D | 19 | 2800 | |
| SOLAHART | ASE 182J & ASE 182J Free Heat | 2001013B | 19 | 2500 | |
| SOLAHART | ASE 182KF & ASE 182KF Free He | 2001014C | 19 | 2800 | |
| SOLAHART | ASE 302BCXII | 2001014F | 19 | 2900 | |
| SOLAHART | ASE 302J & ASE 302J Free Heat | 2001013C | 19 | 2600 | |
| SOLAHART | ASE 302JXII | 2001013D | 19 | 2600 | |
| SOLAHART | ASE 302KF & ASE 302KF Free He | 2001014E | 19 | 2900 | |
| SOLAHART | ASE 302L | 2001012B | 41 | 2500 | |
| SOLAHART | ASE 303BCXII | 2001014H | 19 | 3400 | |
| SOLAHART | ASE 303J & ASE 303J Free Heat | 2001013E | 19 | 3000 | |
| SOLAHART | ASE 303JXII | 2001013F | 19 | 3000 | |
| SOLAHART | ASE 303KF & ASE 303KF Free He | 2001014G | 19 | 3400 | |
| SOLAHART | ASE 303L | 2001012C | 41 | 2900 | |
| SOLAHART | ASE 443BCXII | 2001014J | 19 | 3400 | |
| SOLAHART | ASE 443J & ASE 443J Free Heat | 2001013G | 19 | 3000 | |
| SOLAHART | ASE 443JXII | 2001013H | 19 | 3000 | |
| SOLAHART | ASE 443KF & ASE 443KF Free He | 2001014I | 19 | 3400 | |
| SOLAHART | ASE 443L | 2001012D | 41 | 2900 | |
| SOLAHART | ASE 444BCXII | 2001014L | 19 | 3700 | |
| SOLAHART | ASE 444J & ASE 444J Free Heat | 2001013I | 19 | 3300 | |
| SOLAHART | ASE 444JXII | 2001013J | 19 | 3300 | |
| SOLAHART | ASE 444KF & ASE 444KF Free He | 2001014K | 19 | 3700 | |
| SOLAHART | ASE 444L | 2001012E | 41 | 3200 | |
| Streamline Electric | 270SL-2Bt | 2004012A | 41 | 3400 | |

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (kWhr) | Comments |
|---------------------|--------------|---------------|----------|------------------------|----------|
| Streamline Electric | 270SL-2L | 2004012B | 41 | 2700 | |
| Streamline Electric | 270SL-3Bt | 2004012C | 41 | 3800 | |
| Streamline Electric | 270SL-3L | 2004012D | 41 | 3300 | |
| Streamline Electric | 340SL-2Bt | 2004012E | 41 | 3400 | |
| Streamline Electric | 340SL-2L | 2004012F | 41 | 2700 | |
| Streamline Electric | 340SL-3Bt | 2004012G | 41 | 3800 | |
| Streamline Electric | 340SL-3L | 2004012H | 41 | 3300 | |
| Streamline Electric | 430SL-2Bt | 2004012I | 41 | 3500 | |
| Streamline Electric | 430SL-2L | 2004012J | 41 | 2700 | |
| Streamline Electric | 430SL-3Bt | 2004012K | 41 | 3800 | |
| Streamline Electric | 430SL-3L | 2004012L | 41 | 3300 | |

Solar Energy, Inc.

| | | | | | |
|---------------------------------|---------------|----------|-----|------|--|
| Duro-Drainback Solar Water Heat | D2B-12009120 | 2004011E | -20 | 3600 | |
| Duro-Drainback Solar Water Heat | D2B-12009-128 | 2004011F | -20 | 3700 | |
| Duro-Drainback Solar Water Heat | D2B-12009-40 | 2004011A | -20 | 2600 | |
| Duro-Drainback Solar Water Heat | D2B-12009-64 | 2004011B | -20 | 3300 | |
| Duro-Drainback Solar Water Heat | D2B-12009-80 | 2004011C | -20 | 3400 | |
| Duro-Drainback Solar Water Heat | D2B-12009-96 | 2004011D | -20 | 3600 | |
| Duro-Drainback Solar Water Heat | D2B-8009-32 | 2004010A | -20 | 2200 | |
| Duro-Drainback Solar Water Heat | D2B-8009-40 | 2004010B | -20 | 2600 | |
| Duro-Drainback Solar Water Heat | D2B-8009-42 | 2004010C | -20 | 2800 | |
| Duro-Drainback Solar Water Heat | D2B-8009-63 | 2004010D | -20 | 3300 | |
| Duro-Drainback Solar Water Heat | D2B-8009-64 | 2004010E | -20 | 3300 | |
| Duro-Drainback Solar Water Heat | D2B-8009-80 | 2004010F | -20 | 3500 | |

Solarhot

| | | | | | |
|-------------|---------------|----------|-----|------|--|
| Solvelox DB | S-SV-DB100 | 2007008A | -10 | 3600 | |
| Solvelox DB | S-SV-DB100P32 | 2007008C | -10 | 2300 | |
| Solvelox DB | S-SV-DB100P64 | 2007008B | -10 | 3400 | |
| Solvelox DB | S-SV-DBET30 | 2007008D | -10 | 3200 | |
| Solvelox DB | S-SV-DBET60 | 2007008E | -10 | 3900 | |

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (kWhr) | Comments |
|-----------------|----------------|---------------|----------|------------------------|----------|
| Solvelox Glycol | S-SV-G100 | 2007018A | -30 | 3600 | |
| Solvelox Glycol | S-SV-G100ET | 2007018B | -30 | 3900 | |
| Solvelox Glycol | S-SV-GC100P64 | 2007018D | -30 | 3500 | |
| Solvelox Glycol | S-SV-GET30 | 2007018C | -30 | 3200 | |
| Solvelox Glycol | S-SV-GET30-120 | 2007018F | -30 | 3300 | |
| Solvelox Glycol | S-SV-GET60-120 | 2007018E | -30 | 4000 | |

Solene

| | | | | | |
|-------------------------------|------------------|----------|-----|------|--|
| Solene/Chromagen DC Closed Lo | SLCR32DC-80HE | 2006003A | -10 | 2500 | |
| Solene/Chromagen DC Closed Lo | SLCR32DC-80HE-XE | 2006031A | -10 | 2200 | |
| Solene/Chromagen DC Closed Lo | SLCR40DC-80HE | 2006003B | -10 | 2900 | |
| Solene/Chromagen DC Closed Lo | SLCR40DC-80HE-XE | 2006031B | -10 | 2600 | |
| Solene/Chromagen DC Closed Lo | SLCR60DC-80HE | 2006003E | -10 | 3500 | |
| Solene/Chromagen DC Closed Lo | SLCR64DC-80HE | 2006003C | -10 | 3500 | |
| Solene/Chromagen DC Closed Lo | SLCR64DC-80HE-XE | 2006031C | -10 | 3400 | |
| Solene/Chromagen DC Closed Lo | SLCR80DC-80HE | 2006003D | -10 | 3700 | |
| Solene/Chromagen DC Closed Lo | SLCR80DC-80HE-XE | 2006031D | -10 | 3600 | |
| Solene/Chromagen DC Open Loo | SLCR32DC-66 | 2005011A | 20 | 3000 | |
| Solene/Chromagen DC Open Loo | SLCR40DC-80 | 2005011B | 20 | 3500 | |
| Solene/Chromagen DC Open Loo | SLCR60DC-80 | 2005011C | 20 | 3900 | |
| Solene/Chromagen DC Open Loo | SLCR64DC-120 | 2005011D | 20 | 4000 | |
| Solene/Chromagen DC Open Loo | SLCR80DC-120 | 2005011E | 20 | 4100 | |
| Solene/Chromagen Drain Back | SLCR32DC-80DB | 2006001A | -10 | 2400 | |
| Solene/Chromagen Drain Back | SLCR32DC-80DB-XE | 2006030A | -10 | 2100 | |
| Solene/Chromagen Drain Back | SLCR40DC-80DB | 2006001B | -10 | 2800 | |
| Solene/Chromagen Drain Back | SLCR40DC-80DB-XE | 2006030B | -10 | 2500 | |
| Solene/Chromagen Drain Back | SLCR60DC-80DB | 2006001E | -10 | 3500 | |
| Solene/Chromagen Drain Back | SLCR64DC-80DB | 2006001C | -10 | 3500 | |
| Solene/Chromagen Drain Back | SLCR64DC-80DB-XE | 2006030C | -10 | 3400 | |
| Solene/Chromagen Drain Back | SLCR80DC-80DB | 2006001D | -10 | 3700 | |
| Solene/Chromagen Drain Back | SLCR80DC-80DB-XE | 2006030D | -10 | 3600 | |
| Solene/Chromagen PV Open Loo | SLCR32PV-66 | 2006002A | 20 | 3300 | |

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (kWhr) | Comments |
|------------------------------|---------------------|----------------------|-----------------|-------------------------------|-----------------|
| Solene/Chromagen PV Open Loo | SLCR40PV-80 | 2006002B | 20 | 3700 | |
| Solene/Chromagen PV Open Loo | SLCR60PV-80 | 2006002C | 20 | 4100 | |
| Solene/Chromagen PV Open Loo | SLCR64PV-120 | 2006002D | 20 | 4200 | |
| Solene/Chromagen PV Open Loo | SLCR80PV-120 | 2006002E | 20 | 4200 | |
| Solene/Corona DC Closed Loop | SLCO32DC-80HE | 2006023A | -10 | 2500 | |
| Solene/Corona DC Closed Loop | SLCO32DC-80HE-XE | 2006029A | -10 | 2200 | |
| Solene/Corona DC Closed Loop | SLCO40DC-80HE | 2006023B | -10 | 2800 | |
| Solene/Corona DC Closed Loop | SLCO40DC-80HE-XE | 2006029B | -10 | 2500 | |
| Solene/Corona DC Closed Loop | SLCO60DC-80HE | 2006023C | -10 | 3200 | |
| Solene/Corona DC Closed Loop | SLCO64DC-80HE | 2006023D | -10 | 3500 | |
| Solene/Corona DC Closed Loop | SLCO64DC-80HE-XE | 2006029C | -10 | 3400 | |
| Solene/Corona DC Closed Loop | SLCO80DC-80HE | 2006023E | -10 | 3700 | |
| Solene/Corona DC Closed Loop | SLCO80DC-80HE-XE | 2006029D | -10 | 3600 | |
| Solene/Corona DC Open Loop | SLCO32DC-66 | 2006021A | 20 | 3000 | |
| Solene/Corona DC Open Loop | SLCO40DC-80 | 2006021B | 20 | 3400 | |
| Solene/Corona DC Open Loop | SLCO60DC-80 | 2006021C | 20 | 3700 | |
| Solene/Corona DC Open Loop | SLCO64DC-120 | 2006021D | 20 | 4000 | |
| Solene/Corona DC Open Loop | SLCO80DC-120 | 2006021E | 20 | 4000 | |
| Solene/Corona Drainback | SLCO32DC-80DB | 2006022A | -10 | 2400 | |
| Solene/Corona Drainback | SLCO32DC-80DB-XE | 2006028A | -10 | 2100 | |
| Solene/Corona Drainback | SLCO40DC-80DB | 2006022B | -10 | 2700 | |
| Solene/Corona Drainback | SLCO40DC-80DB-XE | 2006028B | -10 | 2400 | |
| Solene/Corona Drainback | SLCO60DC-80DB | 2006022C | -10 | 3100 | |
| Solene/Corona Drainback | SLCO64DC-80DB | 2006022D | -10 | 3500 | |
| Solene/Corona Drainback | SLCO64DC-80DB-XE | 2006028C | -10 | 3300 | |
| Solene/Corona Drainback | SLCO80DC-80DB | 2006022E | -10 | 3700 | |
| Solene/Corona Drainback | SLCO80DC-80DB-XE | 2006028D | -10 | 3600 | |
| Solene/Corona PV Open Loop | SLCO32PV-66 | 2006020A | 20 | 3200 | |
| Solene/Corona PV Open Loop | SLCO40PV-80 | 2006020B | 20 | 3600 | |
| Solene/Corona PV Open Loop | SLCO60PV-80 | 2006020C | 20 | 3900 | |
| Solene/Corona PV Open Loop | SLCO64PV-120 | 2006020D | 20 | 4100 | |

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (kWhr) | Comments |
|-----------------------------------|---------------------|----------------------|-----------------|-------------------------------|-----------------|
| Solene/Corona PV Open Loop | SLCO80PV-120 | 2006020E | 20 | 4200 | |
| Stitt Energy Systems, Inc. | | | | | |
| Sup.plen.ergy Solar Water Heater | SESI-120-80 | 2006008B | -40 | 3200 | |
| Sup.plen.ergy Solar Water Heater | SESI-80-40 | 2006008A | -40 | 2400 | |
| SunEarth, Inc. | | | | | |
| Cascade | ECRD-40-80 | 2001026B | -50 | 2900 | |
| Cascade | ECRD-40-80-2 | 2001027B | -50 | 2600 | |
| Cascade | ECRD-48-80 | 2001026F | -50 | 3200 | |
| Cascade | ECRD-48-80-2 | 2001027F | -50 | 2900 | |
| Cascade | ECRD-64-80 | 2001026H | -50 | 3500 | |
| Cascade | ECRD-64-80-2 | 2001027H | -50 | 3400 | |
| Cascade | EPRD-40-80 | 2001026A | -50 | 2800 | |
| Cascade | EPRD-40-80-2 | 2001027A | -50 | 2500 | |
| Cascade | EPRD-42-80 | 2001026C | -50 | 2900 | |
| Cascade | EPRD-42-80-2 | 2001027C | -50 | 2500 | |
| Cascade | EPRD-48-80 | 2001026E | -50 | 3100 | |
| Cascade | EPRD-48-80-2 | 2001027E | -50 | 2800 | |
| Cascade | EPRD-64-80 | 2001026G | -50 | 3400 | |
| Cascade | EPRD-64-80-2 | 2001027G | -50 | 3300 | |
| CopperHeart | CP-20 | 1992011I | 20 | 1400 | |
| CopperHeart | CP-30 | 1992011E | 20 | 1900 | |
| CopperHeart | CP-40 | 1992011F | 20 | 2100 | |
| CopperHeart | CP-60P | 1992011G | 20 | 2500 | |
| CopperHeart | CP-80P | 1992011J | 20 | 2700 | |
| SOLARAY | TE32C-80-1 | 1993001B | -60 | 2800 | |
| SOLARAY | TE32C-80-2 | 1996001B | -60 | 2600 | |
| SOLARAY | TE32P-80-1 | 1993001A | -60 | 2700 | |
| SOLARAY | TE32P-80-2 | 1996001A | -60 | 2500 | |
| SOLARAY | TE40C-120-1 | 1993001M | -60 | 3200 | |
| SOLARAY | TE40C-120-2 | 1996001K | -60 | 3000 | |

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (kWhr) | Comments |
|--------------------|---------------------|----------------------|-----------------|-------------------------------|-----------------|
| SOLARAY | TE40C-120-2-PV | 2000003I | -60 | 2900 | |
| SOLARAY | TE40C-120-PV | 2000004I | -60 | 3100 | |
| SOLARAY | TE40C-80-1 | 1993001D | -60 | 3200 | |
| SOLARAY | TE40C-80-2 | 1996001D | -60 | 3100 | |
| SOLARAY | TE40C-80-2-PV | 2000003A | -60 | 3000 | |
| SOLARAY | TE40C-80-PV | 2000004A | -60 | 3200 | |
| SOLARAY | TE40P-80-1 | 1993001C | -60 | 3100 | |
| SOLARAY | TE40P-80-2 | 1996001C | -60 | 2900 | |
| SOLARAY | TE40P-80-2-PV | 2000003D | -60 | 2900 | |
| SOLARAY | TE40P-80-PV | 2000004D | -60 | 3000 | |
| SOLARAY | TE48C-120-1 | 1993001O | -60 | 3500 | |
| SOLARAY | TE48C-120-2 | 1996001M | -60 | 3300 | |
| SOLARAY | TE48C-120-2-PV | 2000003K | -60 | 3200 | |
| SOLARAY | TE48C-120-PV | 2000004K | -60 | 3400 | |
| SOLARAY | TE48C-80-1 | 1993001L | -60 | 3500 | |
| SOLARAY | TE48C-80-2 | 1996001J | -60 | 3400 | |
| SOLARAY | TE48C-80-2-PV | 2000003H | -60 | 3300 | |
| SOLARAY | TE48C-80-PV | 2000004H | -60 | 3400 | |
| SOLARAY | TE48P-120-1 | 1993001N | -60 | 3400 | |
| SOLARAY | TE48P-120-2 | 1996001L | -60 | 3200 | |
| SOLARAY | TE48P-120-2-PV | 2000003J | -60 | 3100 | |
| SOLARAY | TE48P-120-PV | 2000004J | -60 | 3300 | |
| SOLARAY | TE48P-80-1 | 1993001K | -60 | 3400 | |
| SOLARAY | TE48P-80-2 | 1996001I | -60 | 3300 | |
| SOLARAY | TE48P-80-2-PV | 2000003G | -60 | 3200 | |
| SOLARAY | TE48P-80-PV | 2000004G | -60 | 3400 | |
| SOLARAY | TE64C-120-1 | 1993001Q | -60 | 3800 | |
| SOLARAY | TE64C-120-2 | 1996001O | -60 | 3700 | |
| SOLARAY | TE64C-120-2-PV | 2000003M | -60 | 3700 | |
| SOLARAY | TE64C-120-PV | 2000004M | -60 | 3800 | |
| SOLARAY | TE64C-80-1 | 1993001H | -60 | 3700 | |

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (kWhr) | Comments |
|--------------------|---------------------|----------------------|-----------------|-------------------------------|-----------------|
| SOLARAY | TE64C-80-2 | 1996001F | -60 | 3700 | |
| SOLARAY | TE64C-80-2-PV | 2000003B | -60 | 3700 | |
| SOLARAY | TE64C-80-PV | 2000004B | -60 | 3800 | |
| SOLARAY | TE64P-120-1 | 1993001P | -60 | 3700 | |
| SOLARAY | TE64P-120-2 | 1996001N | -60 | 3600 | |
| SOLARAY | TE64P-120-2-PV | 2000003L | -60 | 3600 | |
| SOLARAY | TE64P-80-1 | 1993001G | -60 | 3700 | |
| SOLARAY | TE64P-80-2 | 1996001E | -60 | 3700 | |
| SOLARAY | TE64P-80-2-PV | 2000003E | -60 | 3600 | |
| SOLARAY | TE80C-120-1 | 1993001S | -60 | 3900 | |
| SOLARAY | TE80C-120-2 | 1996001Q | -60 | 3900 | |
| SOLARAY | TE80C-120-2-PV | 2000003O | -60 | 3900 | |
| SOLARAY | TE80C-120-PV | 2000004O | -60 | 4000 | |
| SOLARAY | TE80P-120-1 | 1993001R | -60 | 3900 | |
| SOLARAY | TE80P-120-2 | 1996001P | -60 | 3800 | |
| SOLARAY | TE80P-120-2-PV | 2000003N | -60 | 3800 | |
| SOLARAY | TE80P-120-PV | 2000004N | -60 | 3900 | |
| SunSaver | NF40P-80S | 1995010M | 41 | 3200 | |
| SunSaver | NF40P-80T | 1995009M | 41 | 3400 | |
| SunSiphon | EPGX116-63-2 | 2001004I | 15 | 3200 | |
| SunSiphon | EPGX116-64-2 | 2001004J | 15 | 3300 | |
| SunSiphon | EPGX116-80-2 | 2001004L | 15 | 3600 | |
| SunSiphon | EPGX48-21-2 | 2001004A | 15 | 1600 | |
| SunSiphon | EPGX48-24-2 | 2001004B | 15 | 1800 | |
| SunSiphon | EPGX48-32-2 | 2001004C | 15 | 2100 | |
| SunSiphon | EPGX80-40-2 | 2001004D | 15 | 2500 | |
| SunSiphon | EPGX80-42-2 | 2001004E | 15 | 2500 | |
| SunSiphon | EPGX80-48-2 | 2001004F | 15 | 2800 | |
| SunSiphon | EPGX80-63-2 | 2001004G | 15 | 3200 | |
| SunSiphon | EPGX80-64-2 | 2001004H | 15 | 3200 | |
| SunSource | HX40P-80 | 1995001E | -28 | 3100 | |

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (kWhr) | Comments |
|--|---------------------|----------------------|-----------------|-------------------------------|-----------------|
| SunSource | HX64P-120 | 1995001K | -28 | 3800 | |
| Synergy Solar | | | | | |
| Drainback Stainless HX | 107-2T | 2004005D | -50 | 3700 | |
| Drainback Stainless HX | 133-2T | 2004005F | -50 | 3900 | |
| Drainback Stainless HX | 40-1T | 2006019A | -50 | 2600 | |
| Drainback Stainless HX | 53-1T | 2006019B | -50 | 3200 | |
| Drainback Stainless HX | 53-2T | 2004005B | -50 | 2900 | |
| Drainback Stainless HX | 60-2T | 2004005A | -50 | 3100 | |
| Drainback Stainless HX | 80-2T | 2004005C | -50 | 3500 | |
| Drainback Stainless HX | S53-2T | 2004005E | -50 | 2500 | |
| Thermal Conversion Technology, Inc. (TCT Solar) | | | | | |
| ProgressivTube® | PT-30-CN | 1995002A | 10 | 1900 | |
| ProgressivTube® | PT-35-CN | 1995002B | 10 | 1900 | |
| ProgressivTube® | PT-40-CN | 1995002C | 10 | 2300 | |
| ProgressivTube® | PT-50-CN | 1995002D | 10 | 2300 | |
| Thermomax Industries Ltd. | | | | | |
| Thermomax Mazdon | Mazdon 30-R120 | 2001029H | -60 | 2800 | |
| Thermomax Mazdon | Mazdon 30-R80 | 2001029A | -60 | 3000 | |
| Thermomax Mazdon | Mazdon 40-R120 | 2001029I | -60 | 3400 | |
| Thermomax Mazdon | Mazdon 40-R80 | 2001029B | -60 | 3500 | |
| Thermomax Mazdon | Mazdon 50-R120 | 2001029J | -60 | 3700 | |
| Thermomax Mazdon | Mazdon 50-R80 | 2001029C | -60 | 3700 | |
| Thermomax Mazdon | Mazdon 60-R120 | 2001029K | -60 | 3800 | |
| Thermomax Mazdon | Mazdon 60-R80 | 2001029D | -60 | 3800 | |
| Thermomax Mazdon | Mazdon 70-R120 | 2001029L | -60 | 3900 | |
| Thermomax Mazdon | Mazdon 70-R80 | 2001029E | -60 | 3900 | |
| Thermomax Mazdon | Mazdon 80-R120 | 2001029M | -60 | 3900 | |
| Thermomax Mazdon | Mazdon 80-R80 | 2001029F | -60 | 3900 | |
| Thermomax Mazdon | Mazdon 90-R120 | 2001029N | -60 | 4000 | |

*** A conventional 50 gallon electric water heater would consume 4400 kWh under these rating conditions.**

Prepared for California Zone5 by:
SOLAR RATING & CERTIFICATION CORPORATION
c/o FSEC ♦ 1679 Clearlake Road ♦ Cocoa, FL 32922 ♦ (321) 638-1537 ♦ Fax (321) 638-1010

| System Name | System Model | System Number | FTL (°F) | Energy Savings* (kWhr) | Comments |
|--------------------|---------------------|----------------------|-----------------|-------------------------------|-----------------|
| Thermomax Mazdon | Mazdon 90-R80 | 2001029G | -60 | 3900 | |
| Thermomax Solamax | Solamax 20R-R120 | 2004001I | -50 | 2000 | |
| Thermomax Solamax | Solamax 20R-R80 | 2004001A | -50 | 2100 | |
| Thermomax Solamax | Solamax 20W | 2004002A | -50 | 2000 | |
| Thermomax Solamax | Solamax 30R-R120 | 2004001J | -50 | 2700 | |
| Thermomax Solamax | Solamax 30R-R80 | 2004001B | -50 | 2800 | |
| Thermomax Solamax | Solamax 30W | 2004002B | -50 | 2600 | |
| Thermomax Solamax | Solamax 40R-R120 | 2004001K | -50 | 3300 | |
| Thermomax Solamax | Solamax 40R-R80 | 2004001C | -50 | 3300 | |
| Thermomax Solamax | Solamax 40W | 2004002C | -50 | 3200 | |
| Thermomax Solamax | Solamax 50R-R120 | 2004001L | -50 | 3500 | |
| Thermomax Solamax | Solamax 50R-R80 | 2004001D | -50 | 3500 | |
| Thermomax Solamax | Solamax 60R-R120 | 2004001M | -50 | 3700 | |
| Thermomax Solamax | Solamax 60R-R80 | 2004001E | -50 | 3700 | |
| Thermomax Solamax | Solamax 70R-R120 | 2004001N | -50 | 3800 | |
| Thermomax Solamax | Solamax 70R-R80 | 2004001F | -50 | 3800 | |
| Thermomax Solamax | Solamax 80R-R120 | 2004001O | -50 | 3800 | |
| Thermomax Solamax | Solamax 80R-R80 | 2004001G | -50 | 3800 | |
| Thermomax Solamax | Solamax 90R-R120 | 2004001P | -50 | 3900 | |
| Thermomax Solamax | Solamax 90R-R80 | 2004001H | -50 | 3900 | |

TrendSetter Industries

| | | | | | |
|------------------|-------------------|----------|-----|------|--|
| Six Rivers Solar | SRS-100-2-40-PC-E | 2001007A | -20 | 2900 | |
| Six Rivers Solar | SRS-200-3-40-PC-E | 2001007B | -20 | 3300 | |
| Six Rivers Solar | SRS-200-4-40-PC-E | 2001007C | -20 | 3400 | |
| Six Rivers Solar | SRS-300-5-40-PC-E | 2001007D | -20 | 3500 | |
| Six Rivers Solar | SRS-300-6-40-PC-E | 2001007E | -20 | 3500 | |

*** A conventional 50 gallon electric water heater would consume 4400 kWh under these rating conditions.**

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 c/o FSEC ♦ 1679 Clearlake Road ♦ Cocoa, FL 32922 ♦ (321) 638-1537 ♦ Fax (321) 638-1010

Solar Rating and Certification Corporation
Estimated Annual Performance of OG-300 Certified Solar Water Heating Systems
California Climate Zone 5
with Gas Backup

| System Name | System Model | System Number | FTL (°F) | Energy Savings* (Therms) | Comments |
|--------------------------------|-----------------|---------------|----------|--------------------------|----------|
| ACR Solar International | | | | | |
| Skyline System 3 | 200132C502TG | 2001018B | 30 | 115 | |
| Skyline System 3 | 200132C50T20G | 2002005A | 20 | 95 | |
| Skyline System 5 | 200152C80EX2TG | 2001019A | -54 | 95 | |
| Skyline System 5 | 200153C80EX2TG | 2001019B | -54 | 125 | |
| BTF, Ltd. | | | | | |
| Solar Patriot™ | SP20-1-65G-DT-G | 2007001A | -50 | 95 | |
| Solar Patriot™ | SP20-2-80G-DT-G | 2007001B | -50 | 160 | |
| Butler Sun Solutions | | | | | |
| Solar Butler | BSS-PV1-40Ga | 2005006A | -54 | 105 | |
| Solar Butler | BSS-PV1-40Gb | 2005006B | -54 | 85 | |
| Solar Butler | BSS-PV1-40Gc | 2005006I | -54 | 120 | |
| Solar Butler | BSS-PV1-40Gd | 2005006K | -54 | 125 | |
| Solar Butler | BSS-PV1-50Ga | 2005006C | -54 | 125 | |
| Solar Butler | BSS-PV1-50Gb | 2005006J | -54 | 130 | |
| Solar Butler | BSS-PV1-50Gc | 2005006H | -54 | 125 | |
| Solar Butler | BSS-PV1-80G2a | 2005010A | -54 | 95 | |
| Solar Butler | BSS-PV1-80G2b | 2005010B | -54 | 110 | |
| Solar Butler | BSS-PV1-80Ga | 2005006E | -54 | 140 | |
| Solar Butler | BSS-PV1-80Gc | 2005006G | -54 | 120 | |
| Solar Butler | BSS-S1-40Ga | 2003016A | -54 | 45 | |
| Solar Butler | BSS-S1-40Gb | 2003016B | -54 | 35 | |
| Solar Butler | BSS-S1-40Gc | 2003016I | -54 | 55 | |
| Solar Butler | BSS-S1-50Ga | 2003016C | -54 | 65 | |
| Solar Butler | BSS-S1-50Gc | 2003016H | -54 | 65 | |
| Solar Butler | BSS-S1-80G2a | 2005009A | -54 | 95 | |

*** A conventional 50 gallon gas water heater would consume 215 therms under these rating conditions.**

Prepared for California Zone 5 by:
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c/o FSEC ♦ 1679 Clearlake Road ♦ Cocoa, FL 32922 ♦ (321) 638-1537 ♦ Fax (321) 638-1010

| System Name | System Model | System Number | FTL (°F) | Energy Savings* (Therms) | Comments |
|-------------------------------|---------------------|----------------------|-----------------|---------------------------------|-----------------|
| Solar Butler | BSS-S1-80G2b | 2005009B | -54 | 110 | |
| Solar Butler | BSS-S1-80Ga | 2003016E | -54 | 70 | |
| Solar Butler | BSS-S1-80Gc | 2003016G | -54 | 60 | |
| Davis Energy Group | | | | | |
| SunCache | SCG-100-GS | 2008009B | 20 | 70 | |
| SunCache | SCG-100-GTL | 2008010B | 20 | 115 | |
| SunCache | SCG-50-GS | 2008009A | 20 | 60 | |
| SunCache | SCG-50-GTL | 2008010A | 20 | 105 | |
| SunCache | SCU-50-GS | 2008007A | 20 | 40 | |
| SunCache | SCU-50-GTL | 2008008A | 20 | 85 | |
| Enerworks, Inc. | | | | | |
| Solar Water Heating Appliance | EWRA1-G40 | 2006004A | -50 | 115 | |
| Solar Water Heating Appliance | EWRA1-G80 | 2006004B | -50 | 120 | |
| Solar Water Heating Appliance | EWRA2-G100 | 2006004D | -50 | 165 | |
| Solar Water Heating Appliance | EWRA2-G80 | 2006004C | -50 | 170 | |
| Solar Water Heating Appliance | EWRA3-G100 | 2006004E | -50 | 170 | |
| Solar Water Heating Appliance | EWRA3-G120 | 2006004F | -50 | 175 | |
| Solar Water Heating Appliance | EWRA4-G120 | 2006004G | -50 | 160 | |
| Solar Water Heating Appliance | EWRA4-G144 | 2006004H | -50 | 160 | |
| Fafco, Inc. | | | | | |
| Polymer Drainback | VDB-48U-50G-50S | 2007004A | -20 | 90 | |
| Polymer Drainback | VDB-48U-50G-80S | 2007004B | -20 | 95 | |
| Polymer Drainback | VDB-48UX2-50G-50S | 2007004C | -20 | 105 | |
| Polymer Drainback | VDB-48UX2-50G-80S | 2007004D | -20 | 115 | |
| Heat Transfer Products | | | | | |
| Phoenix Solar | PH-119S | 2007023B | -60 | 190 | |
| Phoenix Solar | PH-80S | 2007023A | -60 | 150 | |
| SuperStor Contender Solar | SSC-119SB | 2007012C | -60 | 195 | |
| SuperStor Contender Solar | SSC-50SB | 2007012A | -60 | 155 | |
| SuperStor Contender Solar | SSC-80SB | 2007012B | -60 | 175 | |

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (Therms) | Comments |
|-----------------------|--------------|---------------|----------|--------------------------|----------|
| SuperStor Ultra Solar | SSU-119SB | 2007021C | -60 | 195 | |
| SuperStor Ultra Solar | SSU-119SB-DW | 2007022B | -60 | 195 | |
| SuperStor Ultra Solar | SSU-60SB | 2007021A | -60 | 155 | |
| SuperStor Ultra Solar | SSU-80SB | 2007021B | -60 | 175 | |
| SuperStor Ultra Solar | SSU-80SB-DW | 2007022A | -60 | 175 | |

Heliodyne, Inc.

| | | | | | |
|-----------------------|--------------------------------|----------|-----|-----|--|
| Helio-Flo | HF 13366 G 50 AC D Z | 2001025A | 27 | 115 | |
| Helio-Flo | HF 1408 G 50 AC D Z | 2001025B | 27 | 130 | |
| Helio-Flo | HF 1410 G 80 AC D Z | 2001025C | 27 | 160 | |
| Helio-Flo | HF 23366 G 80 AC D Z | 2001025D | 27 | 185 | |
| Helio-Flo | HF 2408 G 120 AC D Z | 2001025F | 27 | 195 | |
| Helio-Flo | HF 2408 G 80 AC D Z | 2001025E | 27 | 190 | |
| Helio-Flo | HF 2410 G 120 AC D Z | 2001025G | 27 | 205 | |
| Helio-Flo | HF 3408 G 120 AC D Z | 2001025H | 27 | 200 | |
| Helio-Flo | HF 3410 G 120 AC D Z | 2001025I | 27 | 205 | |
| Heliopak | 16 DWCL HP 1 3366 G 80 ACD Z | 1998001G | -60 | 105 | |
| Heliopak | 16 DWCL HP 1 408 G 65 ACD Z | 1998001F | -60 | 120 | |
| Heliopak | 16 DWCL HP 1 408 G 65 PVD Z | 1998002C | -60 | 120 | |
| Heliopak | 16 DWCL HP 1 408 G 80 ACD Z | 1998001I | -60 | 120 | |
| Heliopak | 16 DWCL HP 1 410 G 65 ACD Z | 1998001A | -60 | 135 | |
| Heliopak | 16 DWCL HP 1 410 G 80 ACD Z | 1998001J | -60 | 135 | |
| Heliopak | 16 DWCL HP 1 410 G 80 PVD Z | 1998002A | -60 | 140 | |
| Heliopak | 16 DWCL HP 2 3366 G 80 ACD Z | 1998001H | -60 | 145 | |
| Heliopak | 16 DWCL HP 2 408 G 120 ACD Z | 1998001C | -60 | 150 | |
| Heliopak | 16 DWCL HP 2 408 G 80 ACD Z | 1998001B | -60 | 150 | |
| Heliopak | 16 DWCL HP 2 410 G 120 ACD Z | 1998001D | -60 | 155 | |
| Helio-Pak Helix SS PV | HP HX SS 1 3366 G PV 50 EE D Z | 2005004A | -60 | 115 | |
| Helio-Pak Helix SS PV | HP HX SS 1 408 G PV 50 EE D Z | 2005004B | -60 | 130 | |
| Helio-Pak Helix SS PV | HP HX SS 1 410 G PV 80 EE D Z | 2005004C | -60 | 145 | |
| Helio-Pak Helix SS PV | HP HX SS 2 3366 G PV 80 EE D Z | 2005004D | -60 | 155 | |
| Helio-Pak Helix SS PV | HP HX SS 2 408 G PV 80 EE D Z | 2005004E | -60 | 160 | |

*** A conventional 50 gallon gas water heater would consume 215 therms under these rating conditions.**

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 c/o FSEC ♦ 1679 Clearlake Road ♦ Cocoa, FL 32922 ♦ (321) 638-1537 ♦ Fax (321) 638-1010

| System Name | System Model | System Number | FTL (°F) | Energy Savings* (Therms) | Comments |
|--------------------------------|--------------------------------|---------------|----------|--------------------------|----------|
| Helio-Pak Helix SS PV | HP HX SS 2 410 G PV 120 SE D Z | 2005004F | -60 | 165 | |
| Integrated Solar, LLC | | | | | |
| CopperSun | CS330-G | 1999001B | 20 | 75 | |
| CopperSun | CS330SV-G | 2002008A | 20 | 70 | |
| CopperSun | CS340-G | 1999001C | 20 | 75 | |
| CopperSun | CS340SV-G | 2002008B | 20 | 70 | |
| CopperSun | CS440-G | 1999001A | 20 | 85 | |
| CopperSun | CS450-G | 1999001D | 20 | 85 | |
| Radco Drainback Heat Exchanger | R-DBHX-12-120-GD-80P | 1998004C | -60 | 165 | |
| Radco Drainback Heat Exchanger | R-DBHX-8-40-GS-32P | 2002001A | -60 | -15 | |
| Radco Drainback Heat Exchanger | R-DBHX-8-65-GD-40P | 1998004A | -60 | 110 | |
| Radco Drainback Heat Exchanger | R-DBHX-8-80-GD-64P | 1998004B | -60 | 150 | |
| Mr. Sun Solar | | | | | |
| Sol-Reliant | SR 40/80 G PVDB | 2004009B | -50 | 140 | |
| Sol-Reliant | SR 56/80 G PVDB | 2004009A | -50 | 170 | |
| Sol-Reliant | SR112/120 G PVDB | 2007026C | -50 | 200 | |
| Sol-Reliant | SR112/80 G PVDB | 2007026B | -50 | 200 | |
| Sol-Reliant | SR80/80 G PVDB | 2007026A | -50 | 190 | |
| Oventrop Corporation | | | | | |
| OVSOL System 5 | OV-5 Regusol Indirect | 2007017A | -20 | 75 | |
| Schuco USA L.P. | | | | | |
| Premium Package | Premium II-80G | 2006011A | -40 | 140 | |
| Premium Package | Premium III-120G | 2006011B | -40 | 150 | |
| Slimline Package | Slimline II-80G | 2006013A | -40 | 135 | |
| Slimline Package | Slimline III-120G | 2006013B | -40 | 150 | |
| Solahart Industries | | | | | |
| SOLAHART | ASG 181BCXII | 2001017B | 19 | 90 | |
| SOLAHART | ASG 181J & ASG 181J Free Heat | 2001016A | 19 | 85 | |
| SOLAHART | ASG 181KF & ASG 181KF Free H | 2001017A | 19 | 90 | |

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (Therms) | Comments |
|-------------|-------------------------------|---------------|----------|--------------------------|----------|
| SOLAHART | ASG 181L | 2001015A | 41 | 80 | |
| SOLAHART | ASG 182BCXII | 2001017D | 19 | 130 | |
| SOLAHART | ASG 182J & ASG 182J Free Heat | 2001016B | 19 | 115 | |
| SOLAHART | ASG 182KF & ASG 182KF Free H | 2001017C | 19 | 130 | |
| SOLAHART | ASG 302BCXII | 2001017F | 19 | 130 | |
| SOLAHART | ASG 302J & ASG 302J Free Heat | 2001016C | 19 | 120 | |
| SOLAHART | ASG 302JXII | 2001016D | 19 | 120 | |
| SOLAHART | ASG 302KF & ASG 302KF Free H | 2001017E | 19 | 130 | |
| SOLAHART | ASG 302L | 2001015B | 41 | 110 | |
| SOLAHART | ASG 303BCXII | 2001017H | 19 | 160 | |
| SOLAHART | ASG 303J & ASG 302J Free Heat | 2001016E | 19 | 140 | |
| SOLAHART | ASG 303JXII | 2001016F | 19 | 140 | |
| SOLAHART | ASG 303KF & ASG 303KF Free H | 2001017G | 19 | 160 | |
| SOLAHART | ASG 303L | 2001015C | 41 | 135 | |
| SOLAHART | ASG 443BCXII | 2001017J | 19 | 160 | |
| SOLAHART | ASG 443J & ASG 443J Free Heat | 2001016G | 19 | 140 | |
| SOLAHART | ASG 443JXII | 2001016H | 19 | 140 | |
| SOLAHART | ASG 443KF & ASG 443KF Free H | 2001017I | 19 | 160 | |
| SOLAHART | ASG 443L | 2001015D | 41 | 130 | |
| SOLAHART | ASG 444BCXII | 2001017L | 19 | 175 | |
| SOLAHART | ASG 444J & ASG 444J Free Heat | 2001016I | 19 | 150 | |
| SOLAHART | ASG 444JXII | 2001016J | 19 | 150 | |
| SOLAHART | ASG 444KF & ASG 444KF Free H | 2001017K | 19 | 175 | |
| SOLAHART | ASG 444L | 2001015E | 41 | 145 | |

Solene

| | | | | | |
|-------------------------------|------------------|----------|-----|-----|--|
| Solene/Chromagen DC Closed Lo | SLCR32DC-80HE-XG | 2006027A | -10 | 105 | |
| Solene/Chromagen DC Closed Lo | SLCR40DC-80HE-XG | 2006027B | -10 | 125 | |
| Solene/Chromagen DC Closed Lo | SLCR64DC-80HE-XG | 2006027C | -10 | 145 | |
| Solene/Chromagen DC Closed Lo | SLCR80DC-80HE-XG | 2006027D | -10 | 155 | |
| Solene/Chromagen Drain Back | SLCR32DC-80DB-XG | 2006026A | -10 | 105 | |
| Solene/Chromagen Drain Back | SLCR40DC-80DB-XG | 2006026B | -10 | 120 | |

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (Therms) | Comments |
|------------------------------|------------------|---------------|----------|--------------------------|----------|
| Solene/Chromagen Drain Back | SLCR64DC-80DB-XG | 2006026C | -10 | 145 | |
| Solene/Chromagen Drain Back | SLCR80DC-80DB-XG | 2006026D | -10 | 150 | |
| Solene/Corona DC Closed Loop | SLCO32DC-80HE-XG | 2006025A | -10 | 105 | |
| Solene/Corona DC Closed Loop | SLCO40DC-80HE-XG | 2006025B | -10 | 120 | |
| Solene/Corona DC Closed Loop | SLCO64DC-80HE-XG | 2006025C | -10 | 145 | |
| Solene/Corona DC Closed Loop | SLCO80DC-80HE-XG | 2006025D | -10 | 150 | |
| Solene/Corona DC Open Loop | SLCO32DC-80-XG | 2007016A | 32 | 135 | |
| Solene/Corona DC Open Loop | SLCO40DC-80-XG | 2007016B | 32 | 145 | |
| Solene/Corona DC Open Loop | SLCO64DC-80-XG | 2007016C | 32 | 160 | |
| Solene/Corona DC Open Loop | SLCO80DC-80-XG | 2007016D | 32 | 160 | |
| Solene/Corona Drainback | SLCO32DC-80DB-XG | 2006024A | -10 | 100 | |
| Solene/Corona Drainback | SLCO40DC-80DB-XG | 2006024B | -10 | 115 | |
| Solene/Corona Drainback | SLCO64DC-80DB-XG | 2006024C | -10 | 145 | |
| Solene/Corona Drainback | SLCO80DC-80DB-XG | 2006024D | -10 | 150 | |

SunEarth, Inc.

| | | | | | |
|-------------|-----------------|----------|-----|-----|--|
| Cascade | ECRD-40-80-2G | 2001028B | -50 | 125 | |
| Cascade | ECRD-48-80-2G | 2001028F | -50 | 140 | |
| Cascade | ECRD-64-80-2G | 2001028H | -50 | 170 | |
| Cascade | EPRD-40-80-2G | 2001028A | -50 | 120 | |
| Cascade | EPRD-42-80-2G | 2001028C | -50 | 120 | |
| Cascade | EPRD-48-80-2G | 2001028E | -50 | 135 | |
| Cascade | EPRD-64-80-100G | 2001028J | -50 | 130 | |
| Cascade | EPRD-64-80-2G | 2001028G | -50 | 160 | |
| Cascade | EPRD-64-80-75G | 2001028I | -50 | 130 | |
| CopperHeart | CP-20G | 2001002A | 20 | 60 | |
| CopperHeart | CP-20-TLG | 2002006A | 20 | 100 | |
| CopperHeart | CP-30G | 2001002B | 20 | 85 | |
| CopperHeart | CP-30-TLG | 2002006B | 20 | 120 | |
| CopperHeart | CP-40G | 2001002C | 20 | 95 | |
| CopperHeart | CP-40-TLG | 2002006C | 20 | 130 | |
| CopperHeart | CP-60PG | 2001002D | 20 | 110 | |

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (Therms) | Comments |
|-------------|----------------|---------------|----------|--------------------------|----------|
| CopperHeart | CP-80PG | 2001002E | 20 | 120 | |
| SOLARAY | TE40C-80-2G | 2001001B | -60 | 140 | |
| SOLARAY | TE40C-80-2G-PV | 2001003B | -60 | 135 | |
| SOLARAY | TE40P-80-2G | 2001001A | -60 | 135 | |
| SOLARAY | TE40P-80-2G-PV | 2001003A | -60 | 130 | |
| SOLARAY | TE48C-80-2G | 2001001D | -60 | 155 | |
| SOLARAY | TE48C-80-2G-PV | 2001003D | -60 | 150 | |
| SOLARAY | TE48P-80-2G | 2001001C | -60 | 150 | |
| SOLARAY | TE48P-80-2G-PV | 2001003C | -60 | 145 | |
| SOLARAY | TE48P-80-75G | 2001001G | -60 | 115 | |
| SOLARAY | TE64C-80-2G | 2001001F | -60 | 180 | |
| SOLARAY | TE64C-80-2G-PV | 2001003F | -60 | 175 | |
| SOLARAY | TE64P-80-2G | 2001001E | -60 | 175 | |
| SOLARAY | TE64P-80-2G-PV | 2001003E | -60 | 175 | |
| SunSiphon | EPGX116-63-2G | 2001005I | 15 | 145 | |
| SunSiphon | EPGX116-64-2G | 2001005J | 15 | 145 | |
| SunSiphon | EPGX116-80-2G | 2001005L | 15 | 165 | |
| SunSiphon | EPGX48-21-2G | 2001005A | 15 | 65 | |
| SunSiphon | EPGX48-24-2G | 2001005B | 15 | 75 | |
| SunSiphon | EPGX48-32-2G | 2001005C | 15 | 90 | |
| SunSiphon | EPGX80-40-2G | 2001005D | 15 | 110 | |
| SunSiphon | EPGX80-42-2G | 2001005E | 15 | 110 | |
| SunSiphon | EPGX80-48-2G | 2001005F | 15 | 125 | |
| SunSiphon | EPGX80-63-2G | 2001005G | 15 | 140 | |
| SunSiphon | EPGX80-64-2G | 2001005H | 15 | 145 | |

Thermal Conversion Technology, Inc. (TCT Solar)

| | | | | | |
|-----------------|-----------------|----------|----|-----|--|
| ProgressivTube® | PT-40-CN2-GX100 | 1999002A | 10 | 125 | |
| ProgressivTube® | PT-30-CN-G | 1998006A | 10 | 85 | |
| ProgressivTube® | PT-35-CN-G | 1998006B | 10 | 90 | |
| ProgressivTube® | PT-40-CN2-GX75 | 1998007A | 10 | 120 | |
| ProgressivTube® | PT-40-CN-G | 1998006C | 10 | 105 | |

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| System Name | System Model | System Number | FTL (°F) | Energy Savings* (Therms) | Comments |
|-----------------|--------------|---------------|----------|--------------------------|----------|
| ProgressivTube® | PT-40-CN-GX | 1998006E | 10 | 110 | |
| ProgressivTube® | PT-50-CN-G | 1998006D | 10 | 105 | |
| ProgressivTube® | PT-50-CN-GX | 1998006F | 10 | 110 | |

TrendSetter Industries

| | | | | | |
|------------------|-----------------|----------|-----|-----|--|
| Six Rivers Solar | SRS-050-1-32-PC | 2001006F | -20 | 90 | |
| Six Rivers Solar | SRS-050-1-40-PC | 2001006G | -20 | 105 | |
| Six Rivers Solar | SRS-070-1-40-PC | 2001006I | -20 | 155 | |
| Six Rivers Solar | SRS-100-2-32-PC | 2001006H | -20 | 135 | |
| Six Rivers Solar | SRS-100-2-40-PC | 2001006A | -20 | 140 | |
| Six Rivers Solar | SRS-150-2-40-PC | 2001006J | -20 | 190 | |
| Six Rivers Solar | SRS-150-3-32-PC | 2001006K | -20 | 195 | |
| Six Rivers Solar | SRS-200-3-40-PC | 2001006B | -20 | 155 | |
| Six Rivers Solar | SRS-200-4-40-PC | 2001006C | -20 | 160 | |
| Six Rivers Solar | SRS-300-5-40-PC | 2001006D | -20 | 165 | |
| Six Rivers Solar | SRS-300-6-40-PC | 2001006E | -20 | 165 | |
| Six Rivers Solar | TS-100-1-30-PC | 2005002A | -20 | 160 | |
| Six Rivers Solar | TS-150-2-22-PC | 2005002B | -20 | 185 | |
| Six Rivers Solar | TS-200-3-30-PC | 2005002C | -20 | 210 | |
| Six Rivers Solar | TS-200-4-30-PC | 2005002D | -20 | 215 | |
| Six Rivers Solar | TS-300-5-30-PC | 2005002E | -20 | 215 | |
| Six Rivers Solar | TS-300-6-30-PC | 2005002F | -20 | 215 | |

*** A conventional 50 gallon gas water heater would consume 215 therms under these rating conditions.**

Prepared for California Zone 5 by:
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