Solar Water Heating SOLUTIONS from Rheem

High efficiency
Low energy costs

- SolPak™ Active Systems
- SolPak™ Gas Systems
- SolPak™ Open Loop Systems
- Solaraide™ Passive Systems
- and more!

Solar water heaters from Rheem

Eco-Friendly
ASK ABOUT ENERGY STAR
SO LPAK™ ACTIVE SOLAR WATER HEATING PACKAGE SYSTEM

The System
• Closed loop glycol design
• Single and double collector systems
• Included: Solaraide™ HE tank, collectors, controller, adjustable pump, mixing valve, glycol solution, thermal expansion tank (for glycol loop)
• Sold separately: 18 AGW sensor wire, tilt mount kits (consult factory for mounting options)
• OG-300 Certification by SRCC (Pending on RS80-40BP model)

The Heat Exchanger Tank
• All models have at least 40 gallons of hot water storage at all times
• Double wall heat exchanger – copper tubing wrap-around design
• Single element backup heating source
• 3/4" Water and collector loop connections

The Collectors
• Flat plate design
• Black paint absorber coating
• OG-100 certified by SRCC

Available in 80 and 119 Gallon Capacities

6-Year Limited Tank Warranty* • 10-Year Limited Collector Warranty**
2-Year Limited Pump and Control Warranty**

*See Residential Warranty Certificate for complete information.
**See SolPak Warranty Certificate for complete system information.

SYSTEM INFORMATION
<table>
<thead>
<tr>
<th>STORAGE CAPACITY (US GAL)</th>
<th>SYSTEM MODEL NUMBER</th>
<th>SOLAR ENERGY FACTOR</th>
<th>NUMBER OF COLLECTOR PANELS</th>
<th>ABSORBER COATING</th>
<th>WIDTH (INCHES)</th>
<th>LENGTH (INCHES)</th>
<th>DEPTH (INCHES)</th>
<th>AREA SQ. FT. (GROSS)</th>
<th>DRY WEIGHT (LBS)</th>
<th>DESIGN FLOW RATE [GPM]</th>
<th>MAX FLOW RATE [GPM]</th>
<th>MAX. OPERATING PRESSURE</th>
<th>HEAT [HEIGHT (INCHES)]</th>
<th>DIAMETER [INCHES]</th>
<th>APPROX. WEIGHT (LBS)</th>
<th>ELEMENT WATTAGE</th>
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As rated by the Solar Rating & Certification Corporation (SRCC)

1 Heat Exchanger Tank
2 Collectors
3 Controller
4 Multi-Speed Pump
5 Thermal Expansion Tank

Hot Propylene Glycol
Cool Propylene Glycol
Backup Heater (Not Included)
Heated Potable Water
Potable Water Supply
Available in 75 Gallon Capacity

- 6-Year Limited Tank Warranty*
- 10-Year Limited Collector Warranty**
- 2-Year Limited Pump and Control Warranty**

The System – a Single Tank Solar Solution!
- Takes up less space
- Drop in replacement for current gas water heating system
- Fast recovery for high demand situations
- Closed loop glycol design
- Included: HE tank, collectors, controller, multi-speed pump, mixing valve, glycol solution, thermal expansion tank (for glycol loop)
- Sold separately: 18 AGW sensor wire, tilt mount kits (consult factory for mounting options)
- OG-300 Certification by SRCC (Pending)

The Heat Exchanger Tank
- 75 Gallon capacity
- 75.1 BTU input per hour (natural gas)
- Double wall heat exchanger – copper tubing wrap-around design
- Gas backup heating source
- 3/4” Water and collector loop connections

The Collectors
- 3’ x 8’ and 4’ x 10’
- Flat plate design
- Black paint absorber coating
- OG-100 certified by SRCC

*See Residential Warranty Certificate for complete information.
**See SolPak Warranty Certificate for complete system information.

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**SYSTEM INFORMATION**

**COLLECTOR INFORMATION**

**WATER HEATER INFORMATION**

<table>
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<tr>
<th>STORAGE CAPACITY (US GAL)</th>
<th>SOLAR MODEL NUMBER</th>
<th>NUMBER OF COLLECTOR PANELS</th>
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<th>LENGTH (INCHES)</th>
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<th>AREA SQ. FT. (GROSS)</th>
<th>DRY WEIGHT (LBS)</th>
<th>DESIGN FLOW RATE (GPM)</th>
<th>MAX FLOW RATE (GPM)</th>
<th>MAX OPERATING PRESSURE (INCHES)</th>
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*As rated by the Solar Rating & Certification Corporation (SRCC)
Available in 80 and 119 Gallon Capacities

6-Year Limited Tank Warranty* 10-Year Limited Collector Warranty**
2-Year Limited Pump and Control Warranty**

The System
- Open loop design
- Not suitable for freezing climates
- Single and double collector systems
- Included: Solaraide™ storage tank, collectors, controller, multi-speed pump, mixing valve, freeze protection valve, air release valve, check valve
- Sold separately: 18 AGW sensor wire, tilt mount kits (consult factory for mounting options)
- OG-300 Certification by SRCC (Pending)

The Universal Tank
- Flexibility to install in either a side or top connection application
- Single element back-up heating source
- 3/4” water and collector loop connections

The Collectors
- Two sizes: 4’ x 8’ and 4’ x 10’
- Flat plate design
- Black paint absorber coating
- OG-100 certified by SRCC

*See Residential Warranty Certificate for complete information.
**See SolPak Warranty Certificate for complete system information.

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<th>DRY WEIGHT (LBS)</th>
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<th>DIAMETER (INCHES)</th>
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*As rated by the Solar Rating & Certification Corporation (SRCC)
**SOLPAK™ ACTIVE SOLAR WATER HEATING SYSTEM FEATURING MARATHON® TANKS**

Available in 85 and 105 Gallon Capacities

- Lifetime Limited Tank Warranty*
- 10-Year Limited Collector Warranty**
- 5-Year Limited Tank Parts Warranty*
- 2-Year Pump Controller Warranty**

**The System**
- Closed loop glycol system
- Double collector systems
- Included: Marathon tank, collectors, pump controller, mixing valve, glycol solution (3 gallons), thermal expansion tank (for glycol loop) and more
- Sold separately: 18 AGW sensor wire, tilt mounting kits (consult factory for mounting options)

**The Tank**
- Strong, polybutene material built to last as long as the solar system
- Unique, corrosion resistant design will never rust
- Lightweight and easy to install
- Electrical element backup heating source

**The Pump Controller**
- Combines a variable speed solar temperature control, collector circulator, storage tank circulator and heat exchanger in a single unit
- Digital display with energy monitoring
- Flexible, programmable inputs/outputs

**The Collectors**
- Two sizes: 3’x8’ and 4’x8’
- Flat plate design
- Black paint absorber coating
- OG-100 certified by SRCC

*See Residential Warranty Certificate for complete information.
**See Solar Marathon Warranty Certificate for complete details.

**SYSTEM INFORMATION**

<table>
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<th>DEPTH (INCHES)</th>
<th>AREA SQ. FT. (GROSS)</th>
<th>DRY WEIGHT (LBS)</th>
<th>DESIGN FLOW RATE (GPM)</th>
<th>MAX FLOW RATE (GPM)</th>
<th>MAX OPERATING PRESSURE</th>
<th>APPROX. DIAMETER (INCHES)</th>
<th>APPROX. HEIGHT (INCHES)</th>
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*As rated by the Solar Rating & Certification Corporation (SRCC)

**WATER HEATER INFORMATION**

**COLLECTOR INFORMATION**

**240V AC**
Available in 47 and 80 Gallon Storage Capacities

5-Year Limited Tank, Collector and Parts Warranty*

The System
- Passive design, requires no pumps or controllers
- Available in two system configurations: RS47-21BP, 47 gallon storage capacity and RS80-42BP, 80 gallon storage capacity
- Complete system includes tank, collector(s), installation kit, and heat transfer fluid
- Closed loop, indirect heat exchange
- OG-300 Certification by SRCC

The Tank
- Single wall external heat exchanger completely surrounds storage tank
- Rugged steel tank with vitreous enamel tank lining
- Immersion, copper sheath backup element

The Collector
- Black polyester powdercoat collector absorber coating
- 35 multi-flow risers for faster heat transfer
- OG-100 certified by SRCC
- Flat plate design

*See Residential Warranty Certificate for complete information.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ROUGHING IN DIMENSIONS</th>
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*As rated by the Solar Rating & Certification Corporation (SRCC)

1. Thermosiphon Heat Exchanger Tank
2. Collector
3. Thermal Expansion Tank
4. Existing or Backup Water Heater (Not Included)
SOLAR COLLECTORS

Available in 3 Sizes

10-Year Limited Collector Warranty*

- Durable low iron tempered glass
- Integral mounting channel for easy installation
- Stainless steel fasteners
- Suitable for open and closed loop systems
- Copper absorber plate
- Can be mounted horizontally or vertically

* See Warranty Certificate for complete information.

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>ABSORBER COATING</th>
<th>WIDTH (INCHES)</th>
<th>LENGTH (INCHES)</th>
<th>DEPTH (INCHES)</th>
<th>AREA SQ. FT.</th>
<th>DRY WEIGHT (LBS)</th>
<th>FLUID CAPACITY</th>
<th>DESIGN FLOW RATE (GPM)</th>
<th>MAX FLOW RATE (GPM)</th>
<th>MAX OPERATING PRESSURE</th>
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THERMAL PERFORMANCE RATINGS* BP SERIES

<table>
<thead>
<tr>
<th>Category (Ti-Ta)</th>
<th>CLEAN DAY 2000 BTU / ft² / Day</th>
<th>MILDLY CLOUDY DAY 1000 BTU / ft² / Day</th>
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<tr>
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<td>C(36°F)</td>
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<td>D(90°F)</td>
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THERMAL PERFORMANCE RATINGS* BC SERIES

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<th>Category (Ti-Ta)</th>
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<th>MILDLY CLOUDY DAY 1000 BTU / ft² / Day</th>
<th>CLOUDY DAY 1000 BTU / ft² / Day</th>
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Thermal performance is obtained by multiplying the collector output for the appropriate application and insolation level by the total gross collector area.

*Collector ratings are derived from the Solar Rating & Certification Corp (SRCC) Document RM-1 and Standard OG-100
MORE RHEEM SOLAR WATER HEATING SOLUTIONS!

Storage Tanks

Solaraid™
A Universal Storage Tank and Electric Storage Water Heaters for Solar Applications

Solaraid™ HE
Solar Heat Exchanger, Solar Tank, or Electric Storage Water Heater

Solar Indirect
Solar Storage Tank with Single Wall Internal Heat Exchanger and Back-up Heating Element

Marathon® Thermal Storage Tanks
Specifically Designed for Solar Applications

Solaraid™ HE Tank with Gas Assist
For Use in Residential Closed Loop Solar Water Heating Applications

In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice.

Interested?
For more information call
800-621-5622
Email: solar@rheem.com
Visit: rheem.com