

# Solar Water Heating SOLUTIONS!

## Storage Tanks



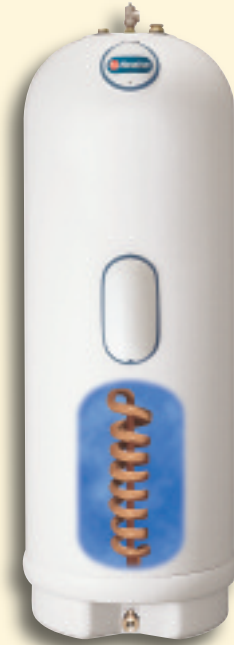
**Solaraide™**  
Storage Tank and  
Electric Storage  
Water Heaters for  
Solar Applications



**Solaraide™ 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™**  
with Internal  
Heat Exchanger –  
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with our Solar Solutions!*



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## RHEEM SOLAR WATER HEATING SYSTEMS

### Interested?

For more information about  
these and other

### Solar Water Heating Systems from Rheem:

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In keeping with its policy of continuous progress and product improvement,  
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Solar water heaters  
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## RHEEM SOLAR WATER HEATING SYSTEMS

# Solar Water Heating SOLUTIONS

from Rheem

**High efficiency  
Low energy costs**

- Solaraide™ Passive Systems
- SolPak™ Active Systems
- Solar Marathon  
Active Systems

*and more!*



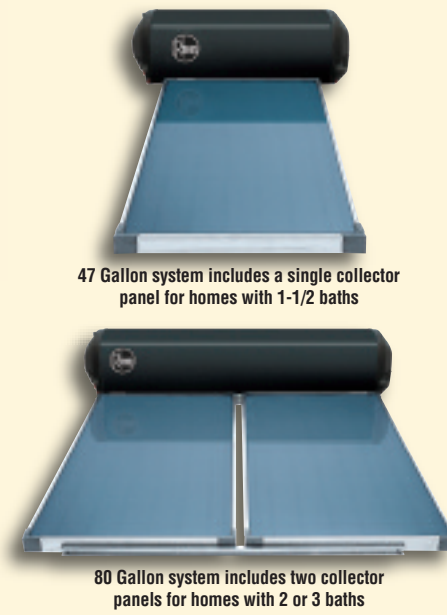
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# SOLARAIDE™ PASSIVE WATER HEATING SYSTEMS



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

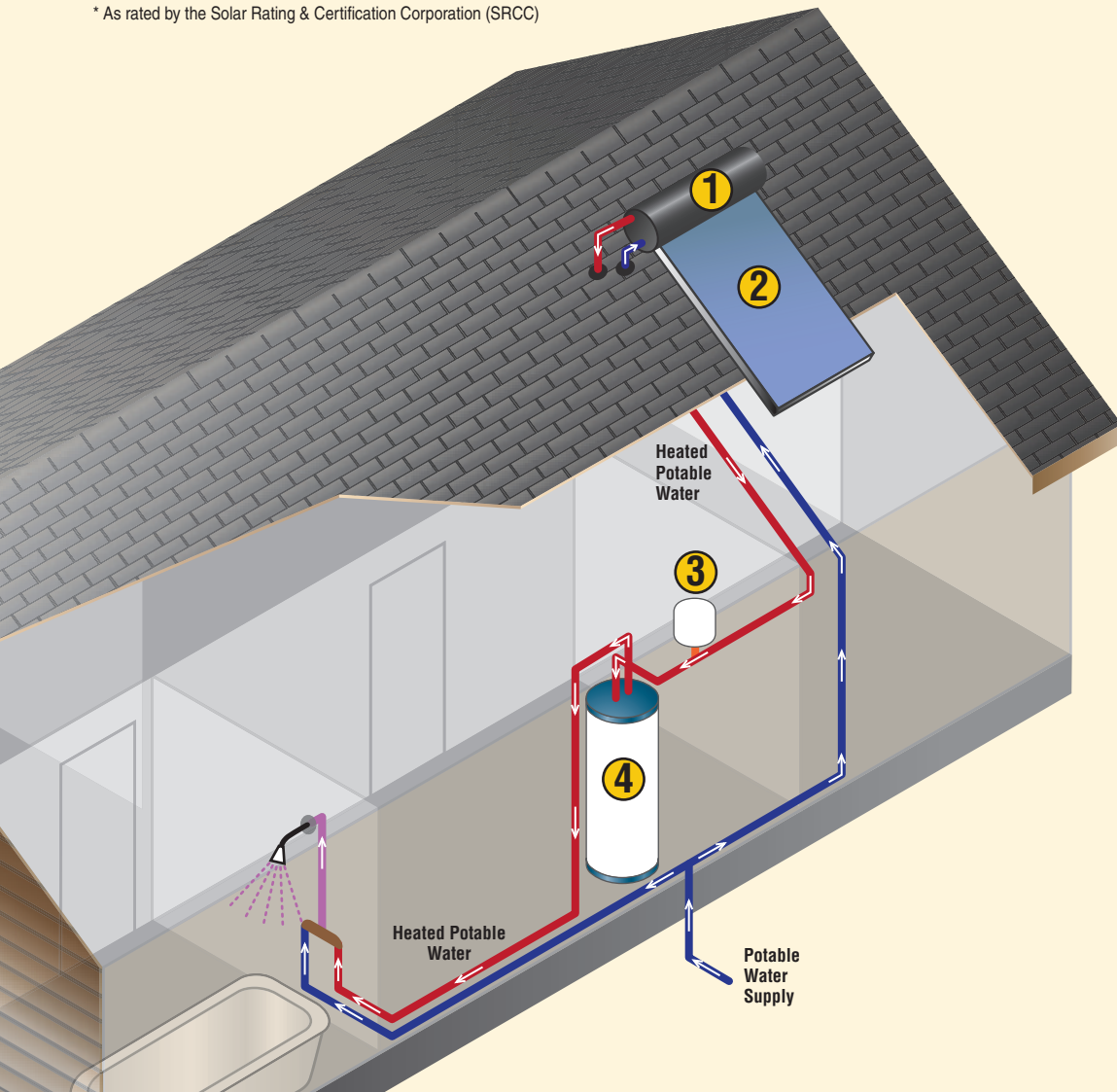
- Black polyester powdercoat collector absorber coating
- 35 multi-flow risers for faster heat transfer
- OG-100 certified by SRCC
- Flat plate design

\* See Residential Warranty Information Brochure for complete warranty information.



| DESCRIPTION               |                     |                      |                            |                         |                           |                               | ROUGHING IN DIMENSIONS |        |                    |                       |                       |            |
|---------------------------|---------------------|----------------------|----------------------------|-------------------------|---------------------------|-------------------------------|------------------------|--------|--------------------|-----------------------|-----------------------|------------|
| STORAGE CAPACITY (US GAL) | SYSTEM MODEL NUMBER | SOLAR ENERGY FACTOR* | NUMBER OF COLLECTOR PANELS | WORKING PRESSURE (TANK) | DELIVERY CAPACITY (SOLAR) | BACKUP ELEMENT SPECIFICATIONS | SYSTEM (IN INCHES)     |        | TANK (IN INCHES)   | COLLECTOR (IN INCHES) | APPROX. SYSTEM WEIGHT |            |
|                           |                     |                      |                            |                         |                           |                               | LENGTH                 | WIDTH  |                    |                       | EMPTY                 | FULL       |
| 47                        | RS47-21BP           | 1.3                  | 1                          | 145 PSI                 | 42.3 GAL.                 | 2.4kw, 240V                   | 97-1/2                 | 58-1/2 | 58.5 x 20.1 x 20.1 | 76.3 x 40.3 x 3.04    | 236 LBS.              | 641 LBS.   |
| 80                        | RS80-42BP           | 1.5                  | 2                          | 145 PSI                 | 68 GAL.                   | 2.4kw, 240V                   | 97-1/2                 | 91     | 90.9 x 20.1 x 20.1 | 76.3 x 40.3 x 3.04    | 402 LBS.              | 1,079 LBS. |

\* 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)

# SOLPAK™ ACTIVE SOLAR WATER HEATING SYSTEMS



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

- Closed loop glycol design
- Double collector systems
- Included: Solaraide™ HE tank, collectors, controller, adjustable pump, mixing valve, glycol solution (4 gal.), 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

### The Heat Exchanger Tank

- Double wall heat exchanger: copper tubing wrap-around design

- Single element backup heating source
- 3/4" Water and collector loop connections

### The Collectors

- Two sizes: 3' x 8' and 4' x 8'
- Flat plate design
- Black paint absorber coating
- OG-100 certified by SRCC

\* See Residential Warranty Information Brochure for complete warranty information.

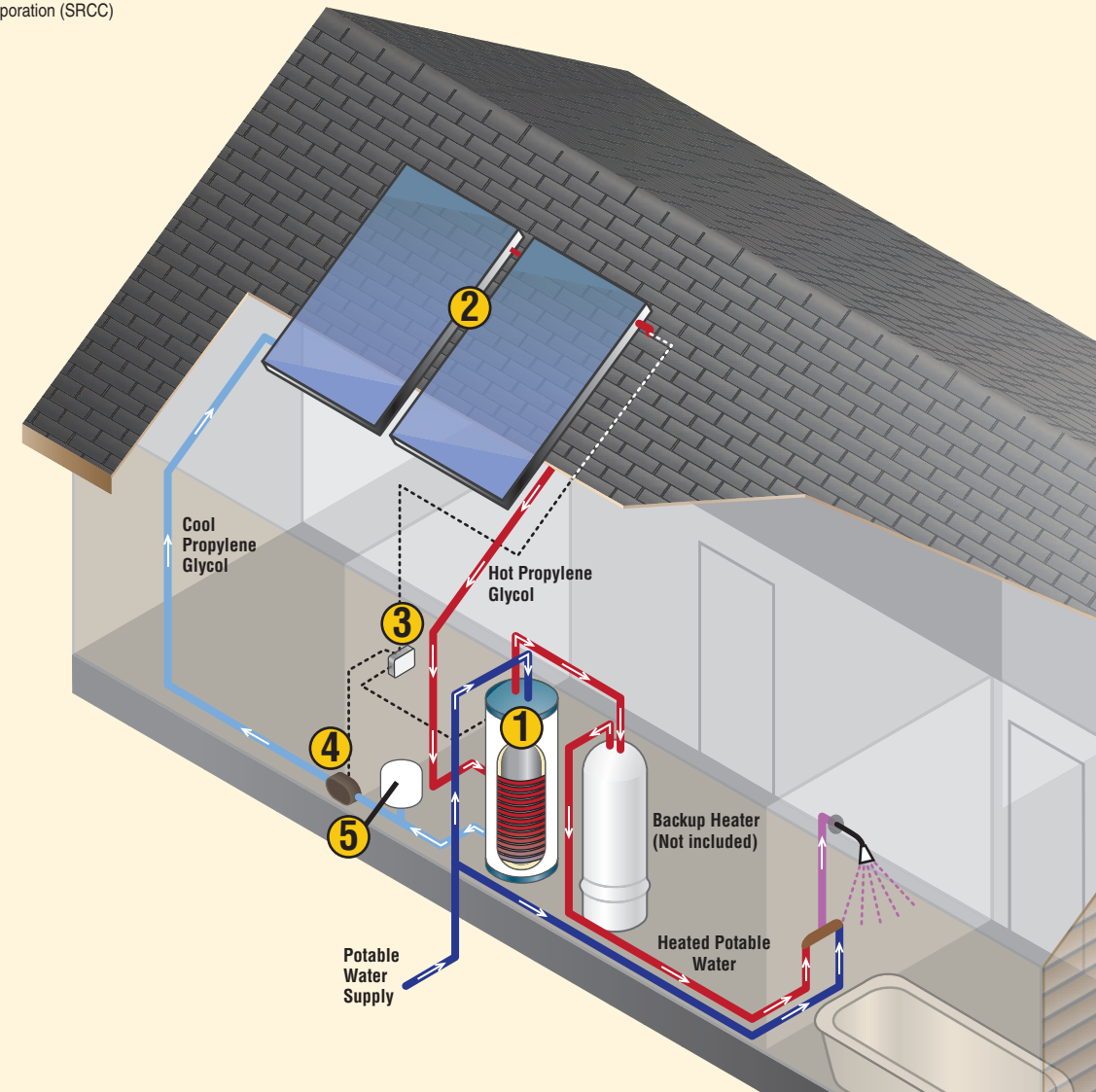
\*\* See SolPak Warranty Information Brochure for complete system warranty information.



| SYSTEM INFORMATION        |                     |                      | COLLECTOR INFORMATION      |                  |                |                 |                |                      |                  |                         |                        |                     |                         | WATER HEATER INFORMATION |                   |                      |                 |
|---------------------------|---------------------|----------------------|----------------------------|------------------|----------------|-----------------|----------------|----------------------|------------------|-------------------------|------------------------|---------------------|-------------------------|--------------------------|-------------------|----------------------|-----------------|
| STORAGE CAPACITY (US GAL) | SYSTEM MODEL NUMBER | SOLAR ENERGY FACTOR* | NUMBER OF COLLECTOR PANELS | ABSORBER COATING | WIDTH (INCHES) | LENGTH (INCHES) | DEPTH (INCHES) | AREA SQ. FT. (GROSS) | DRY WEIGHT (LBS) | FLUID CAPACITY (US GAL) | DESIGN FLOW RATE (GPM) | MAX FLOW RATE (GPM) | MAX. OPERATING PRESSURE | HEIGHT (INCHES)          | DIAMETER (INCHES) | APPROX. WEIGHT (LBS) | ELEMENT WATTAGE |
|                           |                     |                      |                            |                  |                |                 |                |                      |                  |                         |                        |                     |                         |                          |                   |                      |                 |
| 119                       | RS120-64BP          | 3.2                  | 2                          | Black Paint      | 48-1/8         | 98-1/4          | 3-1/4          | 32.79                | 106              | 1.0                     | 0.83                   | 12                  | 150                     | 62                       | 28-1/4            | 380                  | 4500 W          |

\* As rated by the Solar Rating & Certification Corporation (SRCC)

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



# SOLAR MARATHON ACTIVE WATER HEATING SYSTEMS

COMING SOON!



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 Electric 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 Information Brochure for complete warranty information.

\*\* See Solar Marathon Warranty Information Brochure for complete details.



| SYSTEM INFORMATION        |                     |                      | COLLECTOR INFORMATION      |                  |                |                 |                |                      |                  |                         |                        |                     |                         | WATER HEATER INFORMATION |                   |                      |                 |
|---------------------------|---------------------|----------------------|----------------------------|------------------|----------------|-----------------|----------------|----------------------|------------------|-------------------------|------------------------|---------------------|-------------------------|--------------------------|-------------------|----------------------|-----------------|
| STORAGE CAPACITY (US GAL) | SYSTEM MODEL NUMBER | SOLAR ENERGY FACTOR* | NUMBER OF COLLECTOR PANELS | ABSORBER COATING | WIDTH (INCHES) | LENGTH (INCHES) | DEPTH (INCHES) | AREA SQ. FT. (GROSS) | DRY WEIGHT (LBS) | FLUID CAPACITY (US GAL) | DESIGN FLOW RATE (GPM) | MAX FLOW RATE (GPM) | MAX. OPERATING PRESSURE | HEIGHT (INCHES)          | DIAMETER (INCHES) | APPROX. WEIGHT (LBS) | ELEMENT WATTAGE |
|                           |                     |                      |                            |                  |                |                 |                |                      |                  |                         |                        |                     |                         |                          |                   |                      |                 |
| 105                       | RHSME105-64P        | 3.0                  | 2                          | Black Paint      | 48-1/8         | 98-1/4          | 3-1/4          | 32.79                | 106              | 1.0                     | 0.83                   | 12                  | 150                     | 66-3/4                   | 30-1/4            | 152                  | 4500 W          |

\* As rated by the Solar Rating & Certification Corporation (SRCC)

- 1 Storage Tank
- 2 Collectors
- 3 Solar Control System
- 4 Thermal Expansion Tank

