



## How it works

1. The sun heats a solution in the rooftop solar collectors.
2. The heated solution is pumped through the heat exchanger in the hot water tank.
3. The heat exchanger heats the water in the hot water tank and the solution recirculates back to the rooftop solar collectors, where the cycle continuously repeats.
4. The heated water in the hot water tank is now ready for use in the home.

### Need an installer?

Use our installer locator at [veluxusa.com/installer](http://veluxusa.com/installer) or call 866-998-3589.

**VELUX**<sup>®</sup>

Solar water heating



## Solar water heating

WE'VE FIGURED OUT HOW TO MAKE THE SUN WORK TWICE AS HARD.

## Environmentally beneficial

- Solar energy is an unlimited resource.
- Solar energy does not produce harmful emissions or require transportation or pipelines like electric energy, natural gas, or other fossil fuel energy sources.
- Solar water heating systems installed in the U.S. help reduce our household energy consumption, and the nation's reliance on toxic fossil fuels.
- Solar water heating systems will work anywhere in the U.S., not just sunny states.

Source: U.S. Department of Energy EERE consumer's guide.

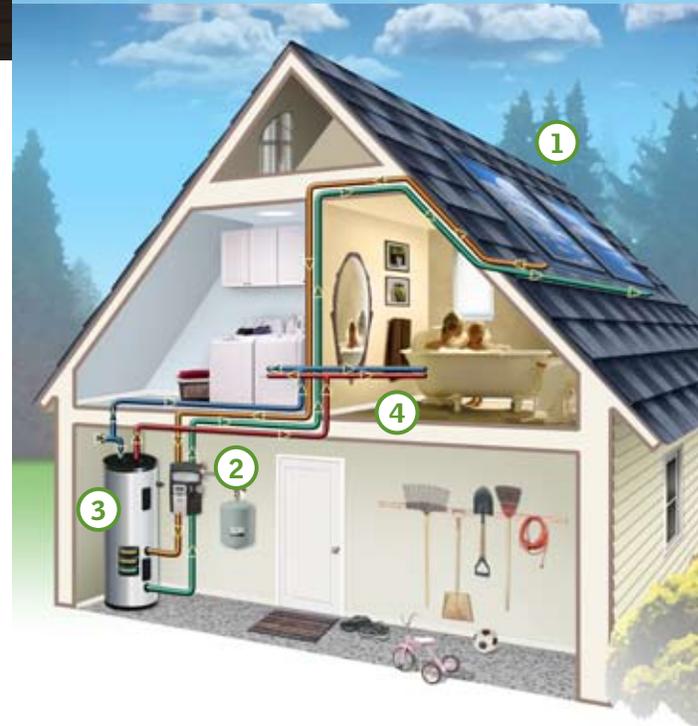
## Proven partner

**VELUX**<sup>®</sup>



When considering an energy partner, it is hard to know who to trust. VELUX is the world leader in skylights and roof windows and is one of the strongest brands in the global building materials sector. With over 65 years of experience as a global leader in daylighting and solar energy technologies, you can trust that VELUX will be here for you in the future.

Through ongoing research and development, extended warranty programs and the creation of installation and service networks, VELUX is working to ensure that when you are ready to go green with a solar water heating system, you will have a trusted resource nearby to assist you.



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## Warming up to new ideas

For 65 years, VELUX has been utilizing the power of the sun to bring natural light into homes through skylights and roof windows. Now VELUX is enabling homeowners to harness even more power from the sun. With a VELUX Solar Water Heating system, proven for years in Europe and around the world, you can use the sun to heat the water in your home.

Using the sun to heat your water will reduce your monthly utility bill, and your family's carbon footprint on the world. Making a VELUX solar water heating system an integral part of a home can reduce the amount of energy consumed for water heating by up to 80%.



## Cost effective solution

On average, if you install a solar water heater, your water heating annual energy consumption should drop 50% - 80%. For the typical household, this represents an annual savings of 10% - 15% off of the total household energy costs. Also, because the energy from the sun is never ending and free, future fuel shortages and price hikes will have less of an impact on your pocket book. Other financial incentives include:

- Lower up-front costs than other renewable energy systems.
- Federal tax credits help pay 30% of the system and installation costs. Many states, local governments, and utilities offer additional support.
- With tax credits and energy savings, these systems offer a faster return on investment than other types of renewable energy systems.
- Solar energy systems can take advantage of the sun's free energy year round.
- Solar energy can be used to produce hot water even in cold climates.

Source: U.S. Department of Energy EERE website.

## Certified product

All VELUX solar water heating systems and components have been certified to national safety and performance standards by independent testing agencies.



## Complete systems for any climate



When making the decision to purchase a solar water heating system, it is important to know that you will be getting a complete system that provides year after year of peak performance backed by a company you can trust.

VELUX solar water heating systems include all of the components necessary for years of trouble free operation — no matter where you live in the U.S.

## ENERGY STAR® qualified systems



An ENERGY STAR® qualified solar water heating system must meet strict energy efficiency standards set by the Department of Energy (DOE) and the Environmental Protection Agency (EPA).

Visit [www.energystar.gov](http://www.energystar.gov) for more information and a complete listing of ENERGY STAR® qualified systems.

## Aesthetically pleasing design

VELUX solar collectors have been designed to hug the roofline, creating a streamlined, aesthetically pleasing appearance.



### Roof integrated collector systems

The VELUX roof integrated collectors have the same low profile look and performance as the VELUX skylights and roof windows used for years throughout the U.S., and they can even be combined with our skylight and roof window products to provide integrated solutions for solar water heating, daylighting, and ventilation.



### Rack mounted collector systems

VELUX rack mounted collectors mount on top of the roof using special rack mounting hardware. A flat roof rack is available for the installation of our collectors on roofs with a pitch less than 15°. A parallel to the roof rack option provides top mount fastening capability into metal roof panels and other roofing materials that may not be feasible for our roof integrated collectors.



### Daylight combination systems

VELUX is the only company in the U.S. able to provide an integrated solution for solar water heating, daylighting, and ventilation. In many instances, our solar collectors can be installed in combination with our skylights or roof windows to minimize energy consumption while maximizing daylight and ventilation.