

VELUX®

Solar water heating

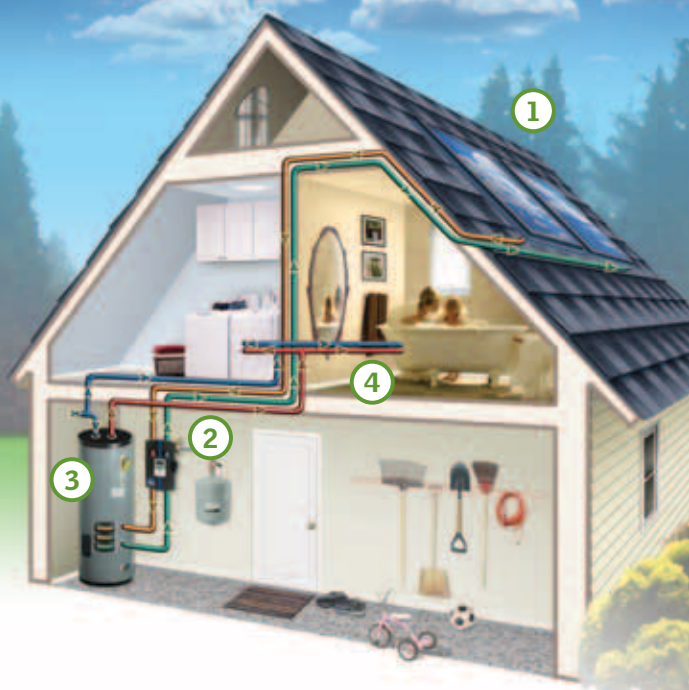
Solar water heating



VELUX® solar water heating

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 bringing its solar water heating system, proven for years in Europe, to Canada.

VELUX solar collectors have been designed with a low profile to be aesthetically pleasing and integrate well with rooflines. They utilize the same leakproof flashing systems used with VELUX roof windows and have the look of a VELUX skylight.



Cost savings

- Water heating bills should drop 50% – 80%.*
- With an anticipated payback period of 3-7 years in most areas.
- Provides positive cash flow when included in new home construction.
- Solar energy systems can take advantage of the sun's free energy year-round. For optimum performance, collectors should be placed on a shadow-free, south-facing roof with a pitch greater than 3/12.
- Between tax credits and energy savings, this system offers a faster return on investment as compared to solar photovoltaic (PV) energy systems.
- Lower first-time start up costs than solar photovoltaic (PV) energy systems.

** Source: U.S. Department of Energy EERE Consumer's Guide*



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.

Environmental benefits

- Solar energy is an unlimited resource.
- Using the sun to heat the water in your home can reduce your monthly utility bill, and your family's carbon footprint on the world.
- Solar energy does not produce harmful emissions and is delivered to your home by the sun.
- Solar water heating systems help reduce your household energy consumption, and the nation's reliance on fossil fuels.
- Solar water heating systems can perform effectively anywhere in Canada and are in use in all climactic areas of the country.
- Can be an add-on to an existing system for a "green upgrade."


How to purchase

1. Select the solar system: By using the chart below select the system that best meets your household needs.

Shingle roof or Tile roof		
Number of people in household	3 - 4 People	5 - 6 People
VELUX U12 collectors	2 collectors	3 collectors
Application area	50 ft ²	75 ft ²
Tank volume	80 Gal	120 Gal

- VELUX flextubes required for leakproof installation.
- Seven standard VELUX flextubes lengths available.
- VELUX flextube length will be determined by the installer based on the distance between the solar collectors and hot water tank.

2. Contact a local installer: Your local installer provides complete turnkey service. He will work with you to evaluate your home to determine the best location for your new system, as well as make recommendations and give you a complete estimate of all components and services, from start to finish. A local installer can easily be found at velux.ca
3. Schedule time: Now have your local installer come and install your new VELUX solar water heating system.



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