

beyond



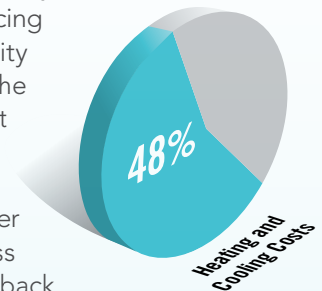


A simple way to go solar. And save on energy costs.

With demand for electricity rising, right along with energy costs, a typical homeowner can easily spend hundreds of dollars a month on utility bills, which can be the equivalent of a house payment. The bulk of a home's energy costs, up to 48%,* comes from heating and cooling. Fortunately, there's a bright spot.

The SunSource® Home Energy System puts you in control of your monthly bills by creating and using solar energy, reducing your need for electricity from your utility provider. Solar energy generated by the system is first used to power your heat pump or air conditioner. When your heating and cooling system is not in use, the solar energy can operate other appliances and electronics. Any excess energy that's not needed will be sent back to the utility company, possibly entitling you to a credit.

U.S. Household Energy Consumption



Power from the sun also has **major benefits for the environment**. It reduces the need for electricity generated by power plants, which in turn leads to a reduction in greenhouse gas emissions.



an idea that's beyond

brilliant

More efficient than a home comfort system

As a home energy system, complete with a Lennox solar-ready heat pump or air conditioner and SolarWorld solar modules, SunSource is different from a typical home comfort system in that it harnesses the abundant, clean and completely free energy of the sun to reduce your home's utility operating costs. (See page 7 for savings estimates.)

Simpler and more affordable than a solar-only system

The cornerstone of the SunSource Home Energy System is a high-efficiency air conditioner or heat pump from the Dave Lennox *Signature*[®] Collection. These units come solar-ready, which means they can be easily integrated with solar modules in a solar energy system, if and when you want one. You can start small, with four to six modules, and add more (up to 16 total, per outdoor unit) when budget permits.



30% of the cost of the solar modules, including installation, may be offset by the Federal Residential Renewable Energy Tax Credit through 2016.** Because the Lennox air conditioner or heat pump is solar-ready, you may also receive up to a **\$1039** tax credit.*** Consult your tax advisor for more information.



SunSource[®] Home Energy System

The simplest way to bring money-saving solar power into the home

The system may also qualify for state and local tax credits, as well as rebates and other incentives from local utility companies. Ask your local Lennox Dealer for more information.

*U.S. Department of Energy statistics.

**The SunSource Home Energy System meets the requirements for federal tax credits listed under the U.S. Emergency Economic Stabilization Act of 2008, covering 30% of the cost of the solar modules, including installation.

***Based on the \$11,541 retail cost of the XC/XP25 5-ton unit (\$11,541 x 9%).

Solar power for heating and cooling—and beyond.

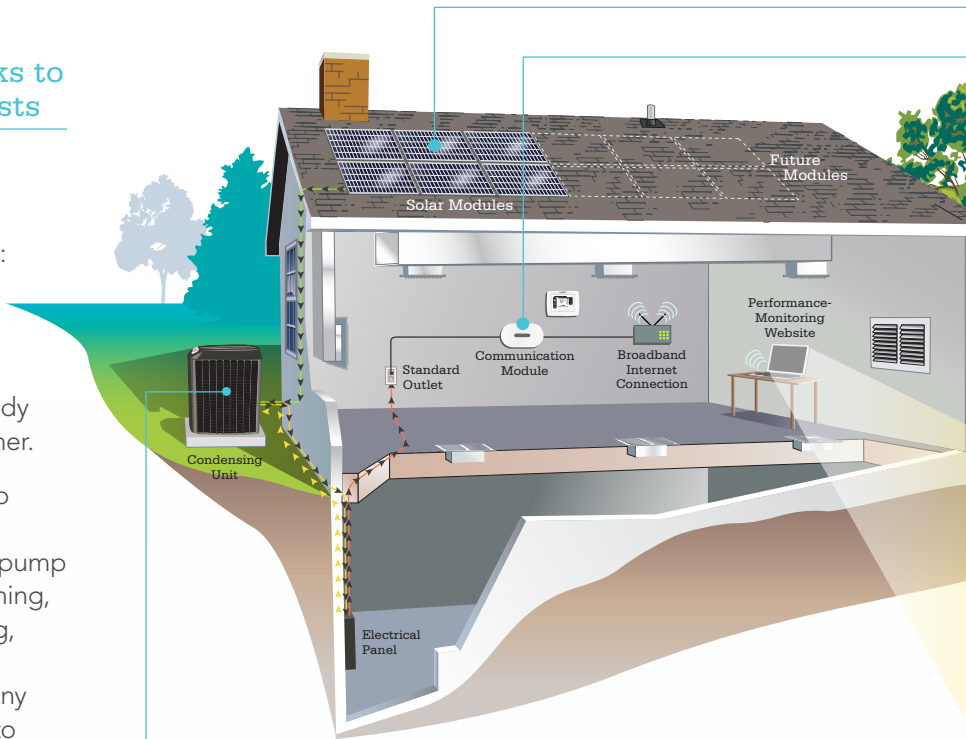
How the system works to reduce your utility costs

The SunSource® Home Energy System allows you to tap into the utility-saving benefits of solar. Here's how:

- Solar modules* harness clean, sustainable energy from the sun and send it to a SunSource® Solar-Ready heat pump or air conditioner.
- Solar energy is first used to meet heating and cooling demands. When the heat pump or air conditioner isn't running, the system powers lighting, appliances and other electronics in the home. Any surplus power goes back to your utility company for a possible credit.**
- A communication module allows you to see how your home energy system is working to lower your utility operating costs. It also shows the environmental benefits of using renewable energy for your home.



The SunSource Home Energy System is powered by SolarWorld solar panels made in the U.S.A.



SunSource Solar-Ready outdoor unit – Offers many innovative features beyond solar technology designed to deliver optimal comfort and efficiency. Six models are available:

- XP25/XC25
 - Variable-speed inverter controlled motor provides a quiet and consistent flow of air for an ideal balance of temperature and humidity
 - Efficiency ratings of up to 26.00 SEER†
- XP21/XC21
 - Two-stage operation, combined with exclusive SilentComfort™ technology, allows the units to run at low speed most of the time to maximize comfort and efficiency, while reducing sound levels
 - Efficiency ratings of up to 21.00 SEER†
- XP17/XC17
 - Engineered with exclusive SilentComfort™ technology
 - Efficiency ratings of up to 18.00 SEER†

SUNSOURCE®

Home Energy System

Communication module – Sends performance information for each solar module to a website, where you can view system status.

Performance-monitoring website^{†††} – This website gives you 24/7 access to real-time data showing system status, energy production, and environmental benefits, including carbon offsets. **Monitoring service is provided free for the life of the system.**

- Performance information can be viewed “at a glance” or in detail, including graphs, totals by day/week/month/lifetime and via time-lapse videos. Info can also be accessed by web-enabled mobile devices.
- Displays an aerial view of your roof and solar module configuration, so you can see energy production information for each module.
- Time-lapse videos of your solar array show how power generation is affected by the sun and obstructions such as shade trees.



Solar modules – Unlike typical solar-panel systems, which have one large inverter for the complete array, each SunSource module has its own scaled-down microinverter that converts solar energy into usable electrical power. This has three key advantages:

- A dedicated microinverter for each module allows a higher capture of solar energy, compared to traditional single-inverter systems.^{††}
- You have the flexibility to start small and add more modules at a later date for greater energy savings.
- Any issue that might affect one module, like tree shading or cloud cover, doesn't impact the operation of other modules.

Beyond efficient performance, the modules offer superb durability and aesthetics:

- Modules are weather- and impact-resistant.
- Models available with silver or black frames.
- Modules can be easily maintained and serviced.

* Maximum of 16 solar modules per outdoor SunSource Solar-Ready unit.

** Check with the utility company in your area, as credits are determined and regulated on a state-by-state basis.

† The Seasonal Energy Efficiency Ratio is a cooling efficiency rating for air conditioners and heat pumps.

† The higher the SEER, the better the energy performance, the more you save.

†† According to tests conducted by Enphase Energy, Inc.

††† Performance-monitoring website provided by an independent third party, Enphase Energy, Inc.

A system with possibilities beyond the immediate horizon.

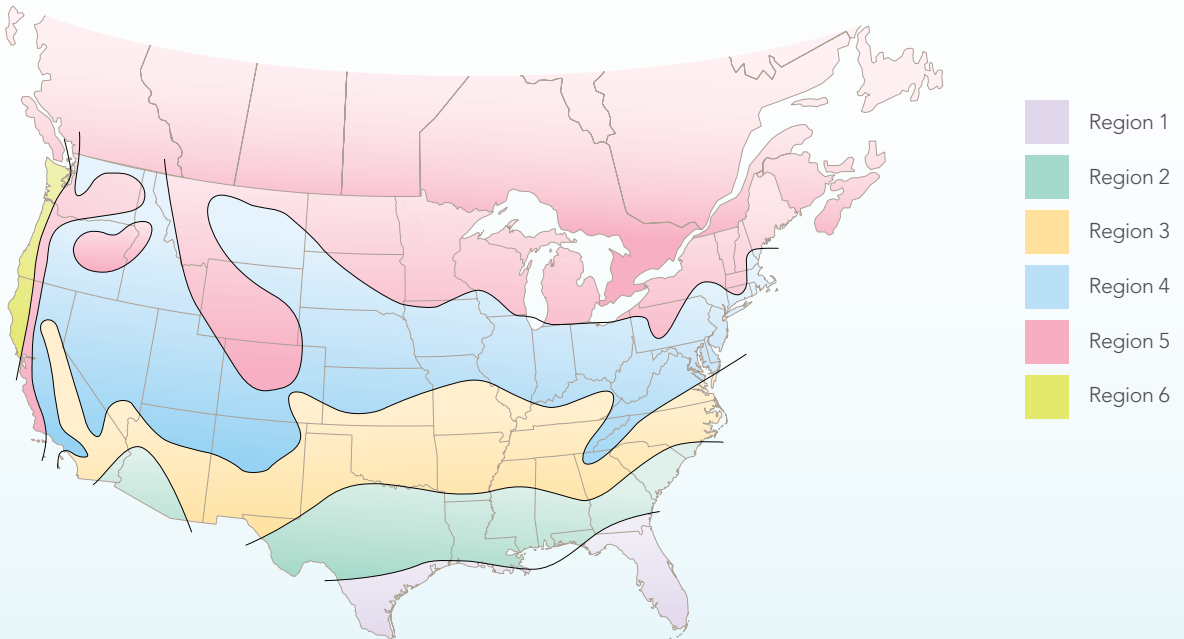
Overall Impact of the SunSource® Home Energy System on Heating and Cooling Costs

Estimated annual operating cost savings* of a 3-ton XC25 air conditioner (AC) or XP25 heat pump (HP) with solar modules, compared to a 10 SEER AC or 10 SEER/7.0 HSPF HP.

	with 6 Modules		with 12 Modules		with 16 Modules	
	HP	AC	HP	AC	HP	AC
Region 1	76%	84%	100%	111%	115%	128%
Region 2	74%	94%	100%	130%	118%	154%
Region 3	70%	116%	99%	175%	118%	214%
Region 4	59%	135%	80%	213%	95%	265%
Region 5 includes Canada**	52%	192%	69%	325%	81%	415%
Region 6	63%	323%	95%	589%	117%	766%

Air conditioners typically only run during the summer, so they have lower annual operating costs than heat pumps, which are used year-round for heating and cooling needs. Less annual energy consumption for ACs translates to greater savings percentages.

Climate Regions



*Equipment cost-savings estimates are based on the U.S. Department of Energy (DOE) annual performance factor (APF) method for heat pumps (10CFR part 430). Estimates of annual solar energy production are calculated for a centrally located city in each DOE heating region, using National Renewable Energy Laboratory's (NREL) PVWatts, Version 1.

**Percent savings for Canada based on 2750 heating load hours (same as US region 5). Northern regions of Canada may have even higher heating load hours.

We're obsessed with the pursuit of creating perfect air, and doing so with absolute efficiency.



Since 1895, Lennox has been on a continuous quest to reinvent home comfort. Perfect air is our purpose and our obsession. Today, that pursuit takes shape in many innovative ways: precise and energy-efficient air conditioners, the quietest high-efficiency furnaces, heat pumps, Wi-Fi-enabled thermostats, air handlers, air cleaners, small-space comfort systems, boilers and more.

Choice of solar-ready systems

All new heat pumps and air conditioners from the Dave Lennox *Signature* Collection are solar-ready, which means they can be easily integrated with solar modules in a complete SunSource Home Energy System.

Peace-of-mind protection*

In addition to world-class quality from a name you can trust, you can take comfort knowing the SunSource Home Energy System is backed by solid warranties:

- XP25/XC25, XP21/XC21 and XP17/XC17 solar-ready heat pumps and air conditioners include a 10-year limited warranty on the compressor and covered components.
- Solar modules from Lennox' partner SolarWorld are made in the U.S.A. and come with a 25-year performance guarantee and product workmanship warranty of 10 years. The Enphase microinverters include a 25-year limited warranty.



Dealers you can count on

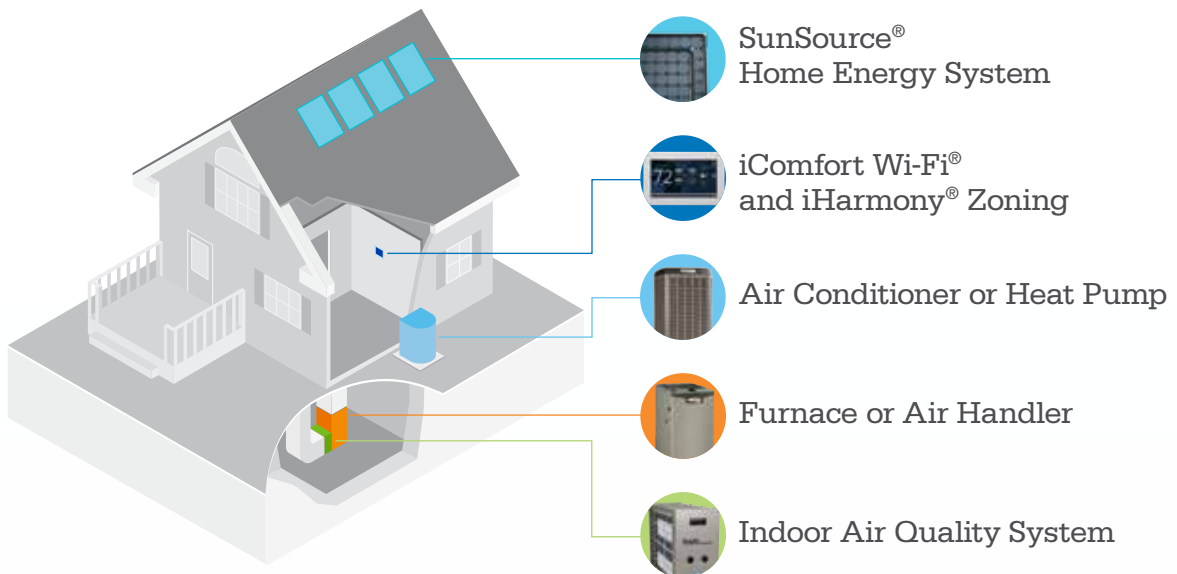
You can trust Lennox Dealers to design the right system for your home, install it properly, and keep it running perfectly for many years to come. Because Lennox has more than 6,000 dealers throughout North America, you can rest assured there's a dealer near you.



Lennox is proud to be named a four-time winner of the ENERGY STAR® Manufacturing Partner of the Year award by the U.S. Environmental Protection Agency and the Department of Energy. We are the first manufacturer in the heating and cooling industry to receive this prestigious award, which reflects our ongoing leadership in environmentally responsible climate control.

*Warranties apply when modules are installed under normal residential application, use and service conditions. Some limitations apply. See your local Lennox Dealer for full details.

A system of innovative products, all working perfectly together.



Every Lennox® product is a standout on its own. Working together in one system, Lennox products fill your home with air that's perfectly heated and cooled, and they do so with absolute efficiency.

Why choose a complete system?

Indoor and outdoor units can only operate at their peak potential when they are compatible with each other in type and size, as well as performance capabilities. By combining Lennox products that are made to work together, you can create an ideal system for your home.



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