



## Harvest Thermal Harvest Pod

# harvest thermal

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**Harvest Thermal is redesigning home heating, cooling and hot water for the planet. Its market-leading smart thermal battery and patented Harvest Pod save an average of 30% on monthly heating bills, cut emissions by 90% compared to gas equipment, and optimize customer comfort. The Harvest Pod uses machine-learning software, sensors, and controls, to learn household energy needs, monitor the weather, and communicate with the grid.**

A single, air-to-water heat pump charges the hot water battery at midday when there's an abundance of low-cost, clean electricity and distributes stored heat and hot water into the home whenever needed. By combining thermal storage with an ultra-efficient heat pump and components, Harvest saves more energy than any other residential all-electric space heating and hot water system on the market.

In addition to leveraging time-of-use rates today, the cloud-connected Harvest Pod future-proofs homes with devices that give more control over homeowners' energy bills of tomorrow. The smart Pod enables demand-response capabilities and software to flexibly respond to grid pricing and emission data.

Premium air filtration and a natural refrigerant make Harvest a top choice for health and the environment. Plus homeowners enjoy the

superior comfort of quiet heat and stable temperatures. In more moderate climates, Harvest Thermal offers Night Cooling. It features a built-in outside air economizer that brings cool, filtered air from outside when it's warmer inside or when indoor air quality is poor. Need air-conditioning? Harvest integrates with a separate heat pump that also provides supplemental heat in the coldest climates.

In 2023, Harvest Thermal was named to **Fast Company's Most Innovative Companies** list; awarded NREL Industry Growth Forum's **People's Choice Award**; and won a Silver **Edison Award for Sustainable Design** in the category of Consumer Solutions.

### Product Designer

Co-Founders Dr. Jane Melia, Pierre Delforge and Dan Johnson, Arch. and CTO, Dr. Evan Green

## Product Specifications

### Heat Pump Water Heater for Domestic Hot Water and Hydronic Space Heat:

- **Refrigerant:**  
Carbon Dioxide
- **Efficiency:**
  - 80°F: COP 5.5
  - 47°F: COP 4.2
  - 5°F: COP 2.2 with 100% capacity
  - 27°F: Lowest temperature at which the SANCO2 can produce 150°F water
- **Noise Level:**  
37 dBa
- **ENERGY STAR Certified**
- **Energy Management Features:** Outdoor temperature sensing, vacation or away mode (under development), energy consumption reporting or energy meters, responsive to DR, TOU rates, and price signaling
- **Connectivity Protocols:** CTA-2045-B and Ethernet

Available now.  
To learn more, go to  
[harvest-thermal.com](https://harvest-thermal.com)  
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alt: harvest.green

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