

# Heat pump energy storage tank sales ranking





## Overview

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Global heat pump sales by country are tabulated in this data-file, for 14 countries/regions. Developed world heat pump sales rose at an 11% CAGR over the decade since 2012, reaching 7M units sold in 2022, but then unexpectedly fell by -10% to 2024, including YoY declines in 10 out of the 14.

In 2024, manufacturers shipped 32% more heat pumps than gas furnaces (4.1M units versus 3.1M units). On a rolling 12-month basis, heat pump shipments are up 1% from twelve months prior. Heat pumps continued to lead the HVAC industry-wide rebound from a 2023 dip caused by broader economic pressures:.

This section provides an overview for heat pumps as well as their applications and principles. Also, please take a look at the list of 29 heat pump manufacturers and their company rankings. Here are the top-ranked heat pump companies as of September, 2025: 1. Guangdong New Energy Technology.

Global sales of heat pumps grew by 11% in 2022, according to the latest IEA analysis, marking a second year of double-digit growth for the central technology in the world's transition to secure and sustainable heating. Increased policy support and incentives for heat pumps in light of high.

Discover the leaders in the global heat pump industry driving sustainability and innovation. From energy-efficient air-to-water systems to cutting-edge R290 technologies, these top manufacturers are shaping the future of HVAC.



Choose the best for a greener tomorrow. The heat pump industry has.

The global energy storage market added 175.4 GWh of installed capacity in 2024, with the three major regional markets—China, the Americas, and Europe—continuing to account for over 90% of global installations. In 2025, the global energy storage market is projected to maintain its growth trajectory. Are heat pumps and thermal energy storage integrated?

This paper presents a comprehensive examination of the integration of heat pumps and thermal energy storage (TES) within the current energy system. Utilizing bibliometric analysis, recent research trends and gaps are identified, shedding light on the evolving landscape of this dynamic field.

What is the market share of heat pumps & water heaters?

Over the past 10 years, heat pumps have raised their market share of residential cooling equipment from 34% to 44%. Electric water heaters continue to make up the majority of both residential and commercial water heater shipments, increasing in market share by 1.5% between 2023 and 2024.

Do heat pump water heaters make up 4% of residential electric water heater sales?

While shipment and market share data is more limited specifically for heat pump water heaters, ENERGY STAR data suggests that heat pump water heaters made up 4% of residential electric water heater sales in 2023. ENERGY STAR data for 2024 will be incorporated in the September 2025 update.

How many heat pump manufacturers are there?

This section provides an overview for heat pumps as well as their applications and principles. Also, please take a look at the list of 29 heat pump manufacturers and their company rankings. Here are the top-ranked heat pump companies as of May, 2025: 1. Guangdong New Energy Technology Development Co., Ltd., 2. The Whalen Company, 3. Daikin Applied.

What percentage of heat pump sales replace an existing system?

EIA RECS data from 2015–202 suggests that 35% of heat pump sales replace an existing system, 41% become a new primary heating system, and 24% become a secondary heating system. Market share refers to the share of



equipment in terms of annual shipments.

What are heat pump sales?

The term “sales” in these charts refer to shipments of equipment by manufacturers, which may not perfectly match product sales and installations in a given time period. Heat pump sales numbers are based on outdoor condensing units sold. Systems with multiple indoor heads but one outdoor condenser are counted as one unit.



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### Seasonal thermal energy storage with heat pumps and low ...

Application of seasonal thermal energy storage with heat pumps for heating and cooling buildings has received much consideration in recent decades, as it can help to cover ...

### [Global energy storage market: review and outlook](#)

The global energy storage market added 175.4 GWh of installed capacity in 2024, with the three major regional markets--China, the Americas, and Europe--continuing to ...



### [Trane Storage Source Heat Pumps , Trane Commercial HVAC](#)

For decades, HVAC systems have used the ice in thermal energy storage tanks to shift electricity demand to reduce summertime energy costs. Avoiding utilities' peak demand charges can ...

### Evolution of Thermal Energy Storage for Cooling Applications

Sizing tanks, estimating weekly load profiles, and performance of ice slurries was neither well understood nor documented. ASHRAE



established Technical Committee (TC) 6.9,  
Thermal ...



### The Best Heat Pump Hot Water Systems in Australia in 2025

What is a heat pump hot water system? A heat pump hot water system is an energy-efficient way to heat water for domestic use. It works by extracting heat from the ...



### [Global heat pump sales continue double-digit growth](#)

Sales of air-sourced heat pump water heaters remained relatively stable at more than 1 million units sold. Around 40% of heat pumps worldwide are manufactured in China, ...



### Pumped Thermal Electricity Storage with Supercritical CO2 ...

Abstract. Pumped Thermal Electricity Storage (PTES) is an energy storage device that uses grid electricity to drive a heat pump that generates hot and cold storage reservoirs. This thermal ...





### Smart Thermal Battery Heat Pump and Energy Storage

Unlike conventional battery storage systems that store energy in chemical form, smart thermal batteries utilize heat as a storage medium. This innovative approach combines the benefits of ...

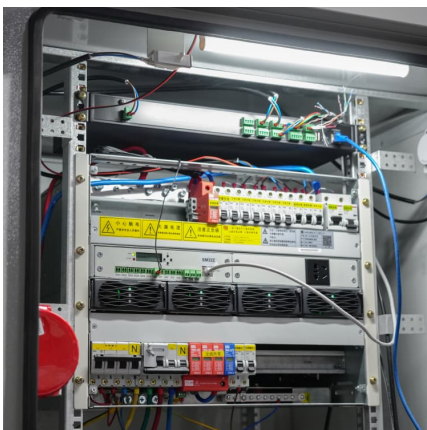


### **Heat pumps and energy storage - The challenges of implementation**

However heat pumps linked to energy storage can displace fossil fuel heating systems and therefore the question is whether a renewable tariff based on "excess" wind for ...

### **7 Medium**

What In high-temperature TES, energy is stored at temperatures ranging from 100°C to above 500°C. High-temperature technologies can be used for short- or long-term storage, similar to ...



### **European Heat Pump and Energy Storage Scale Ranking 2024: ...**

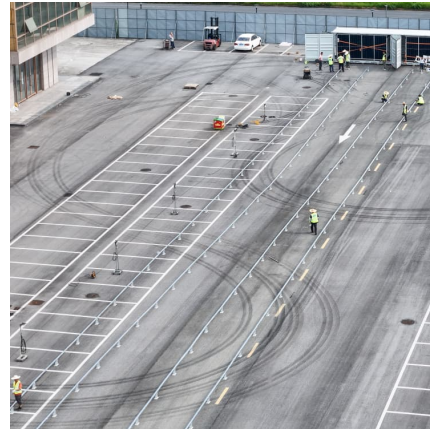
Heat pumps and energy storage have emerged as twin pillars of this transition. But which countries are leading the charge? Let's break down the rankings and drivers.

### **Analysis on integration of heat pumps and**



## thermal energy ...

This paper presents a comprehensive examination of the integration of heat pumps and thermal energy storage (TES) within the current energy system. Utilizing ...



## [Heat Pump Hot Water Systems Comparison 2025](#)

We've compiled the features and specifications of heat pump hot water systems available in Australia so you can work out which one will best suit your ...

## Residential Heat Pump with Thermal Energy Storage to ...

Alignment and Impact: TES-ready HP as Decarbonization Solution Affordability TES-ready heat pump reduces first and operating cost by "right-sizing" heat pumps and Equity and avoiding ...



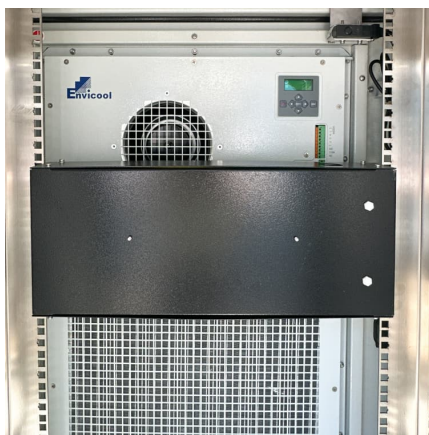
## [What are the types of thermal energy storage ...](#)

Budget and CAPEX/OPEX goals Integration with existing systems A hybrid approach -- combining heat pumps with TES -- often delivers the best ...



### [Smart Thermal Battery Heat Pump and Energy Storage](#)

Unlike conventional battery storage systems that store energy in chemical form, smart thermal batteries utilize heat as a storage medium. This innovative ...

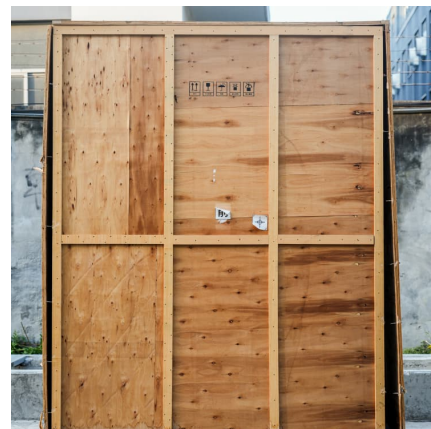


### [Thermal Battery Storage Systems , Trane Commercial HVAC](#)

Air-Cooled Chiller Plant The Trane® Thermal Battery air-cooled chiller plant is a thermal energy storage system, which can make installation simpler and more repeatable, saving design time ...

### [2025 Best Heat Pumps: Costs, Top Models, Ratings & More](#)

Best Heat Pump Brands We looked at a range of factors to determine which heat pump is the best. Primary factors that influenced our rankings of top heat pumps include costs, ...



### [Low-cost thermal storage systems to improve heat ...](#)

CIC energiGUNE is developing a thermal storage system of high energy density and low cost, based on phase change materials, with the aim of ...



### [European heat pump energy storage scale ranking](#)

Heat pump placement, connection and operational modes in pumps, geothermal and solar thermal energy, waste heat, energy from municipal waste and thermal energy storage, all of ...



### [10 Best Residential Heat Pump Hot Water Systems in ...](#)

Find the 10 best residential heat pump hot water systems in Australia. Compare energy-efficient options for a reliable and eco-friendly home solution.



### [9 Best Water Heaters for Efficiency and Performance](#)

Does your heater run on natural gas or electricity? View the best water heaters for both power sources here, including energy-efficient units.





### **850-Gallon Heat Pump Jacketed & Insulated Vertical Commercial Storage Tank**

10-year limited tank / 1-year limited parts warranty These storage tanks are optimized for heat pump domestic hot water applications requiring long duration recovery periods. Designed to ...

### **The 8 Best Heat Pump Water Heaters in 2024 + Buyer's Guide**

With a higher price tag than our number one heat pump water heater pick, the Rheem ProTerra takes the next spot on our list. This advanced heat pump water heater is ...



### [Tracking the Heat Pump & Water Heater Market in the ...](#)

While shipment and market share data is more limited specifically for heat pump water heaters, ENERGY STAR data suggests that heat pump water heaters ...

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