



CONNECTED, EFFICIENT &
INTELLIGENT HOT WATER STORAGE

mixergy®



PATENTED SMART HOT WATER

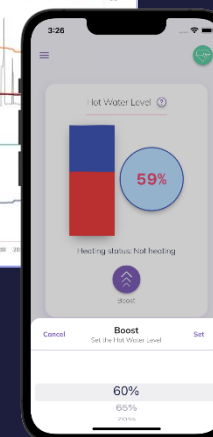
Why Mixergy is the only smart hot water solution that cuts bills and keeps you ahead of compliance changes.



TRADITIONAL HOT WATER
STORAGE



mixergy®



Patented Top-down Heating

Heats only what you need, up to 40% more efficient than traditional tanks.

Precision-Level Sensing

Our patented sensor sees exactly where hot water is. No guessing. No waste.

Grid-Ready Intelligence

Supports demand shifting, smart tariffs, and dynamic scheduling.

Smart, Modular Controls

Built-in flexibility for any heat source-gas, electric, solar, or heat pump.



WHY SMART HOT MATTERS IN HEM

How smart hot water is the key to unlock Home Energy Model and get you ready for the Future Homes Standard

What's changing

1. SAP is being replaced by the Home Energy Model, with a bigger focus on real energy use, carbon and grid impact
2. Future Homes Standard tightens performance and will expose weak assumptions in heating, hot water and ventilation compared to SAP 10.3
3. EPC reform is expected in 2027 and smart readiness moves from nice to have to expected, with policy pushing smart appliances and flexible demand.
4. MEES legislation in conjunction with EPC reform will create a market where social and private landlords start to specify equipment which wouldn't normally sit within a standard dwelling specification.

What this means for you

1. Smart hot water is recognised as more efficient than standard hot water.
2. Smart hot water creates compliance headroom on primary energy and emissions, improving pass margin and reducing redesign risk
3. Having assets within the dwelling which can interact with the grid is key to governments long term energy strategy.
4. The requirement for one C by 2030 and two Cs by 2039 will lead social landlords to prioritise products that score on both smart readiness and heating categories in the new EPC.

SME HOUSE BUILDERS



Challenge

- Hit rising SAP/EPC and Future Homes Standard targets without oversizing plant or redesigning plots
- Fit a heat pump hot water system into the same footprint as a standard cylinder
- Give installers a product they can fit right first time, with no callbacks

Solution

- Specify the **Mixergy iHP X** heat pump cylinder
- Fits like a **standard unvented cylinder**
- App gives homeowners **cost control** from day one

Why It Worked

- 1.5-day install — no redesign of plant space
- Proven in retrofit, ready to specify for new-build

60% less energy used to heat the same hot water

1.5 days to fully install, start to finish

180L cylinder replaced a 250L tank — a smaller footprint per plot

"It's like any other normal unvented cylinder, just with a heat pump built on top and easy vents, so it's been a really simple install."

Matt Carter, Mixergy Approved Installer

Tim and Kat, Gloucestershire — fully electrified home with solar, battery storage and an EV — replaced their 250L cylinder with an iHP X, cutting hot water energy use from ~150 kWh to 59.7 kWh a month.

CALA EAST



Challenge

- Cut carbon emissions and fuel bills without compromising comfort
- Support CALA's net-zero roadmap while maintaining a premium homeowner experience
- Upgrade outdated hot water systems with minimal disruption

Solution

- Installed **Solar X 'heat-what-you-need'** cylinders
- With a **gas boiler and Solar PV**
- Supported seamless **compliance**

Why It Worked

- Easy install and smart features led to high homeowner satisfaction
- System flexibility helped CALA futureproof builds across energy scenarios

50% of a household's hot water is being delivered for free

256kg of CO₂
Emissions
eliminated a year

A household never needs to **heat more than 40%**, for a family of 3



Challenge

- Deliver truly net-zero homes without compromising comfort or usability
- Minimise homeowner interaction while maximising energy performance
- Align heating and hot water systems with SAP and Future Homes requirements

Solution

- Installed Mixergy smart cylinders alongside 4kW solar PV and Wondrwall controls
- Enabled automatic hot water scheduling using solar forecasts and usage learning
- Provided app-based and voice control, with fast, efficient top-down heating

Why It Worked

- Easy integration using standard plumbing and wiring—no specialist install skills needed
- Compact, well-insulated cylinders reduce heat loss and save space
- SAP Appendix Q listing and high efficiency support EPC uplift and compliance

Up to 30% lower energy bills than standard new builds

Up to 10x faster heat-up vs traditional tanks, thanks to top-down heating

Significant CO₂ savings through smart use of solar energy and machine learning





Last year, the UK spent over **£1.5bn paying wind farms to switch off** because the grid could not take the power.

Mixergy helps you hit compliance, cut running costs, and deliver **better homes at scale**.

And with every connected cylinder, **we ease peak demand** and make it easier to bring more renewables onto the system.

