

High Heat Retention Storage Heaters



What are they?

Storage heaters work by storing heat generated at night at a cheaper electricity rate and then release this heat during the day. Most storage heaters are wall-mounted and look a bit like radiators. They use electricity to heat up ceramic or clay bricks inside them overnight. They then store this heat and gradually release it the next day to keep your home warm.

The most efficient modern storage heaters are called “high heat retention storage heaters” and they can be up to 27% cheaper to run than standard storage heaters. They can make your home more comfortable and can reduce the amount of electricity used for heating.

Benefits of high heat retention storage heaters

- You can take advantage of lower off-peak electricity rates to heat your home. They are designed to work with Economy 7, an electric tariff where night-time electricity is much cheaper, typically about a third of the price compared to day-time electricity
- They are better insulated than older types of night storage heaters meaning they hold their heat for longer. Slower heat loss from the hot brick inside the storage heater means there will be more stored heat available when you need it
- They’re intuitive so they respond to seasonal temperature changes and ‘learn’ how much heat to store
- They can release heat more quickly when needed and the advanced programming gives you better control of your heating
- Modern high heat retention storage heaters also look a lot better too!
- Most models have an app that can allow you to control and set up your heaters or hot water cylinders, individually or by zone, and easily track the energy usage of each
- High heat retention storage heaters use less energy than older models so they have less of an impact on the environment.

How do I use it?

High heat retention storage heaters come with improved controls. Controlling the heating is easier with a LCD display that offers room temperature setting, automatic charge control, and the ability to set timer profiles by either using a pre-set programme or creating your own seven-day heating programme. These controls work together to ensure that once the programme is set, the heater can control itself without you needing to make any adjustments.

These models are able to estimate the next day's heating demand based on your heating habits and the outside temperature, so you do not need to worry about adjusting input and output settings once the heater has been set up correctly to meet your heating patterns.

To get the most out of your heaters ask your installer to explain the controls to you or ask Moat to arrange a home visit for further guidance. Many manufacturers publish videos online explaining how to set up heating programmes for your high heat retention storage heater if needed.

Storage heater tips for lower bills

1. The “boost” setting can be used to give out extra heat but this uses expensive daytime electricity. Be sure to use all the stored heat first before using the boost.
2. As you can control storage heaters individually, you can choose different heat settings for different rooms. Avoid using supplementary plug-in heaters. It's better to change your settings to increase the stored heat in your storage heater.

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