

Welcome to the
PH Jones
introduction to
**Smart Storage
Heaters**



For more information or to discuss your needs further please contact

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What are *smart* storage heaters?

Smart storage heaters are not dissimilar to a normal electric storage heaters you would find in a typical property. We call them 'smart' as they can be integrated with Demand Side Response capability, meaning they can be smartly charged in response to changes in demand on the grid.

How do they work?

Demand Side Response works with electric storage heaters to watch the electricity grid and find the point when energy is cheapest. This off-peak energy is cheaper because it's taken when there is less demand on the grid, typically at night time and times of higher renewable generation.

Smart storage heaters are able to charge up during these cheaper periods and then release heat in a controlled way. Overall reducing running costs and maximising comfort for users.

Demand Side Response can also be used to stagger charging across the off peak period, mitigating the impact of all the heaters starting to charge at the same time. For example, if a heater needs to charge for 3 hours and we have 1000 heaters in an area connected, their charge times can be spread across the off peak period to smooth the demand on the grid.

They are better for the environment too!

Electricity available at peak times is much more likely to be produced by power stations that use fossil fuels. Off-peak electricity is more likely to be produced from low carbon, renewable sources - like an offshore windfarm.

As smart storage heaters charge at off-peak times they are more likely to be powered by this low cost, low carbon renewable energy. Keeping you warm and helping the environment!

