

**UNDER EMBARGO UNTIL 12:00PM (MIDDAY) ON WEDNESDAY
18TH APRIL**

OVO Heat Dynamo | Product Information

Making heating greener through electrification

The OVO Heat Dynamo is an ultra-low latency, IoT-connected, multi-purpose load switch that can be retrofitted to an electric storage heater to give it smart controls.

Using high speed frequency sensing and power metering, this wi-fi connected device allows users to control the level of heat they want, when they want it, via OVO's Smart Heat Customer App.

The device is part of OVO's strategy to make heating greener through electrification while providing more value for customers. OVO is also working with manufacturers to launch the first electric storage heaters with built-in VCharge integration later in 2018. These will be the world's first smart-grid enabled electric storage heaters, which will support balancing of the electricity grid by providing extra capacity for flexible energy distribution.

OVO Heat Dynamo | Specs

Connectivity: Wi-Fi and Radio Frequency

Controllable devices: Any domestic mains connected device under 5 kW

Power: 5 kW (Current rating 21A)

Installation: Wall-mounted (vertical orientation)

Operating Temperature Range: -21°C to 40°C

Dimensions: 42 mm x 122 mm x 201mm

Weight: 0.5kg

FAQ

How does the OVO Heat Dynamo work?

The device controls the power supply to a storage heater. It sends data from the heater, room and customer's preferences to VCharge, then adjusts the charging of the device to achieve the desired level of comfort.

What gap in the market does this product fill?

This device is directly targeting customers with storage heaters that are up to 20 years old. The OVO Heat Dynamo gives them comparable functionality with a new intelligent storage heater.

What are the costs of installing and running the device?

Installation costs vary, but for a typical mid-sized home-owner property with about five heaters it will cost approximately £900 per property. There are no running costs for the customer; the device uses the existing broadband network of homeowners and in tower blocks OVO pays the ongoing charges for the internet connection to the building.

Will customers need any other equipment to use this device?

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Customers will also need an in-home thermostat in each room, which OVO also manufactures and is included in the installation pack. In addition, homeowners are required to have their own broadband connection, while OVO typically installs a network in social housing tower blocks.

Will the OVO Heat Dynamo work with any energy provider or only OVO?

The OVO Heat Dynamo will work with other providers. However, they will have to provide a smart meter to the customer and permanently switch on the secondary power supply in their home, which supplies their storage heaters. They would also need to have engaged with OVO/VCharge to develop the integration work and leverage the benefit of the VCharge controlled heaters. To gain full benefits from the product, such as advanced trading opportunities, the customer would also have to sign up for half-hourly settlement.

What measures will be taken to ensure the product's safety and security?

The OVO Heat Dynamo has undergone rigorous safety testing and is CE certified. We have over 1,000 installed in customers' homes.