

**What does the VPhase unit do?**

The VPhase lowers and regulates the incoming voltage in the home, reducing energy usage and saving around 10% on household electricity bills. The VPhase unit achieves this through voltage optimisation. The VPhase, lowers and regulates the incoming voltage from the typical 245V in the UK, to a constant 220V, giving householders immediate and significant energy savings for the whole home with a single VPhase fitted to the consumer unit (fuse box).

**Why has this never been done before?**

It has! Voltage optimisation has been widely used in industry saving big businesses millions each year off their energy bills. VPhase are the first company in the UK to make this technology available for use in the home, through an innovative, patented adaptation of the technology.

**How does VPhase work?**

Across Europe the agreed statutory range for voltage is 207V to 253V. In the UK voltage is typically around 245V. Household appliances must be designed to operate satisfactorily within the European statutory range. Many of the appliances we use regularly will use less energy at lower voltages. VPhase has developed a new innovative and unique smart technology that enables voltage optimisation to be cost effectively introduced into the home. The VPhase unit reduces and stabilises the voltage at the property to a level within statutory limits but below the voltage that is usually supplied by power companies, in the UK the VPhase output is typically 220V.

**Is the VPhase unit the only product available?**

Yes. The VPhase (VX1) is currently the only product commercially available from the company.

**What size is the VPhase unit?**

The unit is about the same size as your existing fuse box and weighs around 4.3kg. Dimensions of the unit are: 345mm(L) X 180mm(W) X 115mm(D) which are also stated on our Technical Specification document and Installation Instruction on [www.vphase.co.uk](http://www.vphase.co.uk)

**How will it be installed?**

The VPhase unit must be fitted by a qualified electrician. It is installed alongside the consumer unit (fuse box) and will regulate voltage to the circuits where energy savings can be made. No on-going monitoring is required to ensure optimum benefits from VPhase. Please check the compatibility of your fuse box with your local qualified electrician.

**How can I find someone to install the VPhase unit?**

The VPhase unit must be installed by a qualified electrician. For details of an electrician in your area please visit our Find an Electrician page on our website at [www.vphase.co.uk](http://www.vphase.co.uk)

**When and how can I purchase a VPhase unit?**

The VPhase unit is now available! As the VPhase device must be installed by a qualified electrician, we advise consumers to contact a local electrician and source one through them. We have published a 'Find an Electrician' feature on our web site at [www.vphase.co.uk](http://www.vphase.co.uk) - alternatively, please call our consumer helpline 0845 003 8222 for further assistance.

**How much energy will the VPhase unit save?**

The precise energy saving will depend on a number of specific factors including the incoming voltage at the house, the number and type of appliances used and the amount of electricity normally consumed. For example, our tests have shown that appliances with motors can save around 17% whereas entertainment devices may save between 3% and 10% or more. Of course energy saving also reduces carbon emissions and helps the environment.



**How much will the VPhase unit cost?**

The recommended retail price is £250 + VAT + installation.

**Are there any appliances that do not save energy?**

The energy consumed by closed loop (thermostatically controlled) electric heating is not affected. If your home has electric heating (e.g. storage heaters) then we do not apply VPhase to these circuits, but the VPhase can still make savings on other appliances within the home.

**Who are we currently working with?**

VPhase has undertaken trials with Scottish and Southern Energy, British Gas and Great Places Housing Group. National framework agreements are in the process of being negotiated and distribution agreements have already been established with electrical contractors, distributors and wholesalers throughout the UK.

**Has the VPhase unit been field trialled?**

There is an ongoing trial which has been approved by OFGEM for the Government's CERT (the carbon emissions reduction target) scheme that will determine the lifetime CO<sub>2</sub> savings of VPhase and it's overall contribution to meeting CO<sub>2</sub> reduction targets.

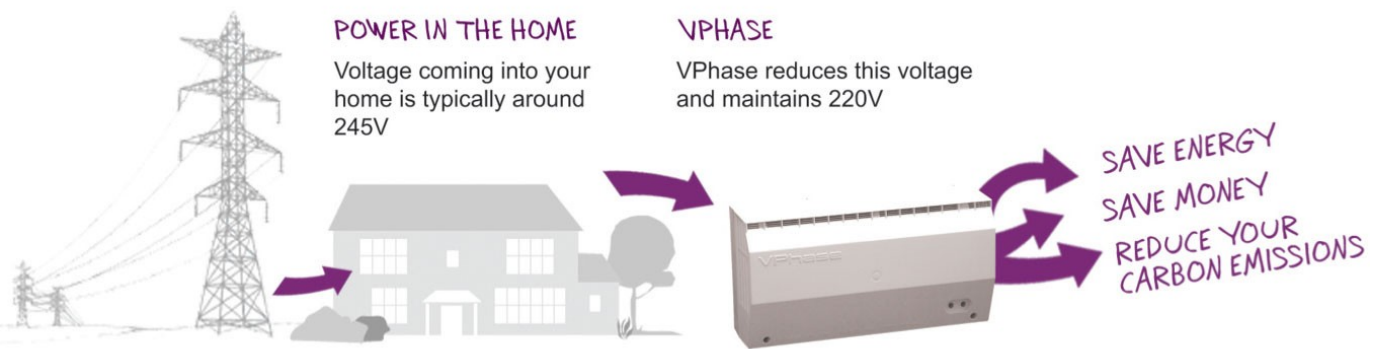
We've also successfully completed trials with a North West Social Housing Provider (Great Places Housing Group), with the results being independently analysed by EA Technology. The results demonstrated whole-house CO<sub>2</sub> savings of 3.6% and energy savings of 8.7%.

**Why is VPhase important in the market? Why now?**

Energy efficiency and green/renewable energy are increasingly important for many people in the UK - and the sector is also experiencing growing interest and support from local and central government. Long term energy price rises, economic climate and a desire to reduce waste and save the environment, have all been drivers in bringing VPhase to market. VPhase offers significant reductions in electricity bills and proven CO<sub>2</sub> reductions. These benefits are achieved from a single VPhase unit optimising the incoming voltage into the home; you can save energy immediately without even thinking about it.

**Will VPhase affect the reception of digital television, wireless internet, cordless telephones or power line carrier based communications?**

VPhase has tested the unit in houses using all of the above methods of communications. All of these devices continued to operate with no degradation in performance. The VPhase unit has been designed to meet very strict European standards for electromagnetic compatibility (EMC). The EMC performance of the VPhase unit has been verified at independent test facilities.



**VPhase plc**  
Capenhurst Technology Park  
Chester  
CH1 6EH

T: 0845 003 8222  
F: 0845 003 8269  
E: [info@vphase.co.uk](mailto:info@vphase.co.uk)  
[www.vphase.co.uk](http://www.vphase.co.uk)