

OptiVolt Domestic Voltage Optimiser

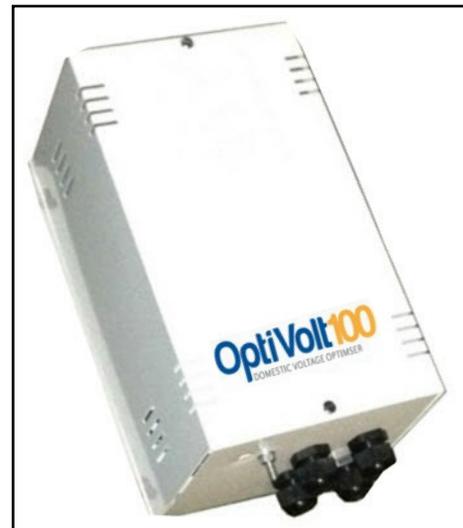
A new generation of Budget Voltage Optimiser

The OptiVolt 60 and 100 are full load 60 and 100 Amp voltage optimiser's. With no need for by-passes the units are built to cope with full domestic and small commercial loads. 3 tappings allow the installer to select the correct reduction for the incoming supply, maximising savings. PV can be operated through this unit Simple to install and maintain.

Designed to achieve payback in the quickest possible time. This is the basic no frills unit that simply drops the voltage as shown in fig.1. Tried and tested design that offers a good potential for savings. Most commonly used for domestic supplies and small industrial applications where initial capital outlay is the prime concern.

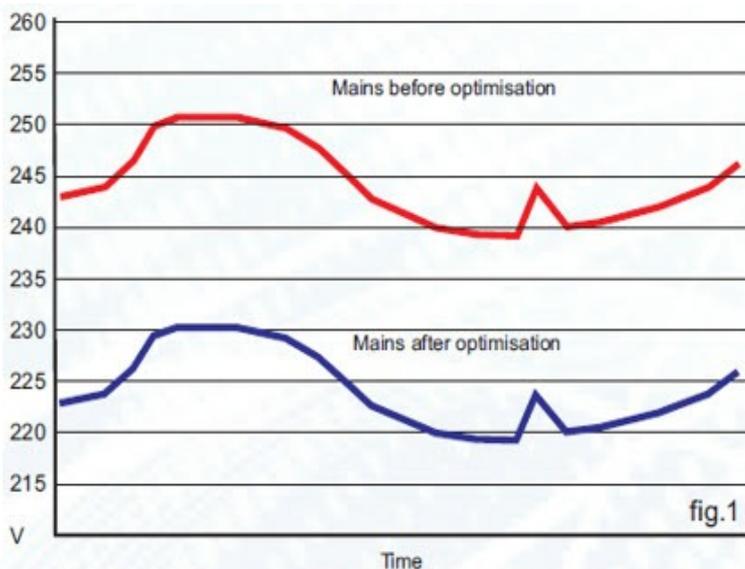
OptiVolt60
DOMESTIC VOLTAGE OPTIMISER

OptiVolt100
DOMESTIC VOLTAGE OPTIMISER



Key Features

- Reduces power consumption by up to 20%
- Extends the life of most electrical products
- Reduction of your Carbon Footprint
- Increases the capacity of the supply
- Reduces harmful surges that can knock out sensitive equipment
- Low cost of equipment
- Designed and Manufactured in the UK
- 3 Tappings to vary output voltage



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Voltage Regulation

The UK generating bodies, as a result of European Harmonisation, have a Voltage tolerance of 230v +10%/ -6%. This means that the acceptable Voltage range in the UK is between 216v and 253v, although it is more often around the 240-245v range. This is compared to the average European Voltage of 220v.

Therefore most electrical equipment manufactured for Europe and the UK is rated at 220v. By reducing the Voltage to electrical equipment, this equipment is proven to reduce the power consumption, to extend the life of most of today's electrical products, reduce your carbon emissions and importantly save money.

Savings?

Savings vary with different pieces of equipment and how much power is consumed.

On average, we expect to see a 10-15% savings with a mixture of electrical appliances, lighting and heating.

The lower voltage also increases equipment life by reducing the operating temperature.

How easy is it to install?

Installation could not be easier. Each enclosure has between 9 and 12 removable cable gland plates. These are situated on all sides of the enclosure so as to accommodate all of your cabling requirements.

Simply connect the phase to the input terminals, and then to the consumer unit. Connect the earth cable and bring in a small neutral cable for our controls, then you're done. The unit is already configured and ready to use.

There is no need to bring in your main neutral as the system does not need it.

OptiVolt60
DOMESTIC VOLTAGE OPTIMISER

Input Voltage 235-254V

Output voltage 60A

Power Rating 14.4KVA

OptiVolt100
DOMESTIC VOLTAGE OPTIMISER

Input Voltage 235-254V

Output voltage 100A

Power Rating 24KVA

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NuVision Energy is a trading name Solar Supplies (Europe) Ltd.



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