

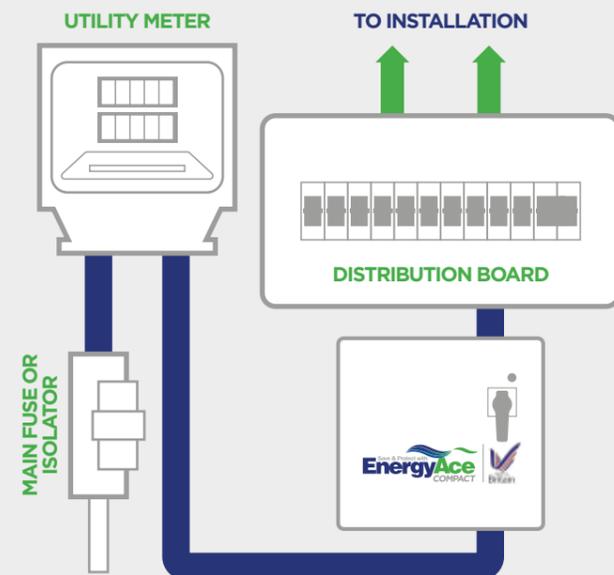
EnergyAce Compact CVO63-3P & CVO100-3P Installation Guide



The Compact three-phase voltage optimisation systems from EnergyAce are designed for use in any building with a three phase supply and maximum demand up to 100amps (72kVA). The units are easily fitted by a competent electrical installer and simply requires the mains cables wiring in and out to make it fully operational, a process that only takes around a couple of hours. (Larger sizes are available)

Three Phase Installation

EnergyAce Compact requires a 230V (nominal) three-phase supply, which is fed from the incoming mains to the business. The EnergyAce system incorporates protection via a door interlocked MCCB although the supply to the EnergyAce system may require suitably rated isolation and protection to conform to the latest edition of current wiring regulations.



Technical Specification & Features

Full Specification of CVO63-3P & CVO100-3P

- 400v AC 3 Phase 50Hz
- 63A permanent operation CVO63-3P (45kVA)
- 100A permanent operation CVO100-3P (72kVA)
- Super low loss Toroidal technology 99.9% Efficient
- Voltage output is set by the installer during installation
- Choice of 4 voltage reduction settings (-10v, -15v, -20v, -25v)
- Overcurrent protection
- Integrated isolation
- Amendment 3 compliant
- 5 year warranty
- Temperature range -10°C to 60°C
- Dimensions CVO63 – H700 x W500 x D300 inc 100m removable plinth
- Dimensions CVO100 – H700 x W500 x D300 inc 100m removable plinth
- Weight CVO63 - 44kg
- Weight CVO100 - 63kg



Helping Businesses save money



Application

Previously many businesses may have found commercial, three-phase voltage optimisation too large and costly for their site and smaller, single-phase or domestic voltage optimisation systems not suitable for their three-phase supply. The EnergyAce Compact range of three-phase voltage optimisation systems have been designed and engineered specifically to address these issues between small and large installations and to open up the benefits and savings of voltage optimisation to all consumers regardless of the size of energy bill.



SAVE AND PROTECT TODAY

For additional information on saving energy through the EnergyAce Compact Energy Saving System, please contact us now on 01695 559785, email us on: post@pesgrouppltd.co.uk or visit: www.energyace.co.uk

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AUTHORISED DEALER STAMP

EnergyAce Compact Voltage Optimiser

Save up to 20%
on your electricity bills
and protect with EnergyAce



CALL US TODAY AND START SAVING
01695 559 785



What is a Voltage Optimisation System?

The theory behind voltage optimisation is simple.

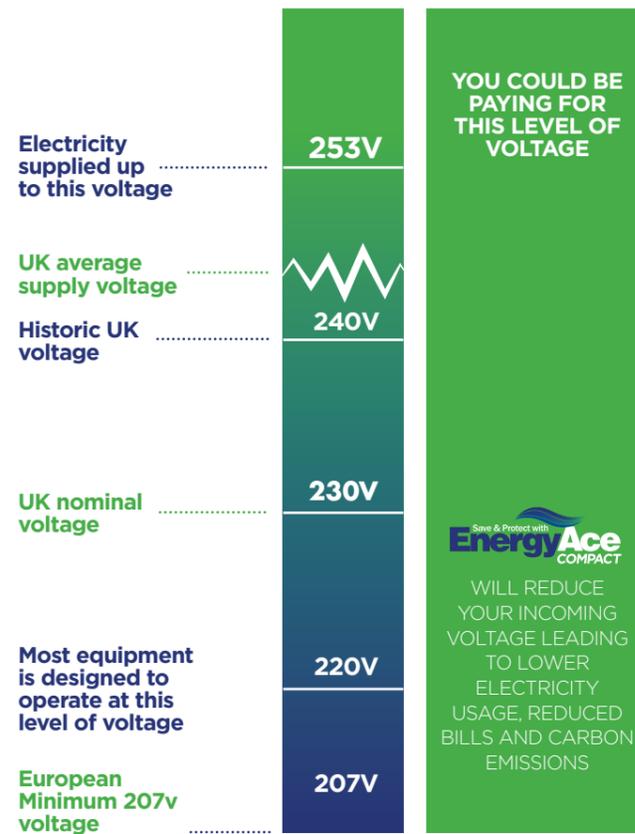
There is a difference between the voltage supplied to a building in the United Kingdom and what is required to operate electrical equipment.

On average the voltage in the United Kingdom is 242V and due to electrical equipment being manufactured to work anywhere in the European Union, this means that the optimum operating voltage required by electrical equipment to work most efficiently is around 220V.

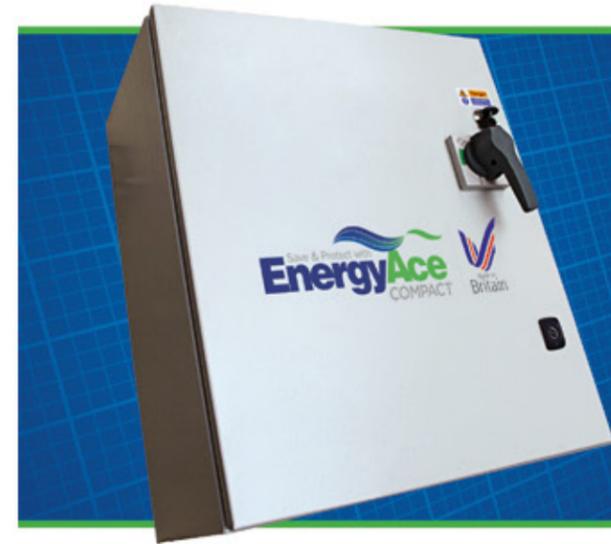
This overvoltage is not only costing more than required, it can also shorten the life of electrical equipment.

The surplus voltage produces additional heat, noise and vibration in appliances, causing stress on components, especially to motors, electronic systems like computers and lighting which are more vulnerable to overvoltage and fail much sooner.

An EnergyAce voltage optimisation system makes sure that a building only consumes and pays for the voltage level that it really needs rather than the overvoltage supplied from the grid. It does this by optimising the incoming voltage by up to -25V. This lowers electricity consumption, reduces electricity bills and reduces the wear and tear on appliances and electrical equipment.



Benefits of EnergyAce Compact Voltage Optimiser



- Reduces Electricity bills by Up To 20%
- Works on all circuits within a building all day every day
- Simple installation with no need to change your electricity supplier
- Increases the life of all electrical equipment
- Can be installed alongside Solar PV and improves efficiency of heat pumps and Solar PV systems
- No maintenance required
- 5 year warranty

Who can benefit?

- Commercial
- Retail Outlets
- Hair Salons
- Hotels
- Restaurants
- Launderettes
- Care Homes
- GP Surgeries
- Coffee Shops & Cafés
- Gym & Health Clubs
- Small Industrial Units
- Office Facilities
- Garden Centres
- Light Manufacturing

What the Electricians say



Voltage optimisation is one of the key new business opportunities for electrical contractors. The range, types, and size of buildings that can benefit from the savings voltage optimisation can deliver, makes it a great opportunity for consumers and our members.



About EnergyAce Compact Voltage Optimisation Systems

EnergyAce is a patented Energy Saving system which incorporates the Compact range for use in small and medium sized commercial premises.



About Our Company

We are a UK based manufacturer and solution provider who have developed a range of patented energy saving systems to save on electricity consumption and improve efficiency for industrial, commercial and domestic users world wide.

Established in January 2002, EnergyAce are an award winning company delivering real measurable savings in many areas of commerce through the design of engineering led solutions.

Immediate Savings can be experienced by small and medium sized businesses looking to reduce their energy consumption and electricity bills through voltage optimisation systems.

Voltage optimisation is proven to be a secure and reliable method for businesses to economise while continuing to offer the best service possible to their customers. With EnergyAce Compact, businesses will welcome the huge contribution to carbon reduction and energy reduction that voltage optimisation can contribute to their operations. EnergyAce Compact systems can be quickly and simply installed with little or no disruption to the operation. They deliver immediate savings, giving a return on investment in around 2 years or less and in some cases within 12 months.

Once fitted the system operates on all circuits, 24-7-365 days of the year. There are no moving parts, requires no maintenance and comes with a five-year warranty. It is a fit and forget system, requiring no change in business or behaviour activity and provides no negative impact on the operational experience.

EnergyAce Compact's technology is making a tried and trusted energy saving solution available to more businesses than ever before to take advantage of this three in one benefits package:

Energy savings

Longer-lasting equipment

Carbon footprint reduction

All from one unit. For more information and a no obligation free site survey and savings report, please contact our representative today to establish suitability and an estimate on savings.

SOME OF OUR KEY CLIENTS



INSTALLATION
Quick and simple install



WARRANTY



SAVE £££'s
and Reduce Emissions with Voltage Optimisation