

Three Phase Voltage Optimisers from GW Energy Ltd

The Easy Way To Save Power, Save Money & Help Save The Planet

- ✓ **Immediately reduces your electricity consumption by up to 19%**
- ✓ **Three adjustable savings settings for optimum voltage control**
- ✓ **Saves you money 24hrs/day, 7days /week**
- ✓ **Reduces your carbon footprint**
- ✓ **Your electrical appliances last longer**
- ✓ **Works with solar PV, wind power & heat pumps etc**
- ✓ **Easily installed by qualified electrician**
- ✓ **Made in the UK**
- ✓ **Fully Guaranteed**
- ✓ **Fit and forget**

The wall mounted ECO-MAX unit has been specially designed for sites where there are space and access restrictions.

This lightweight, compact model fills the gap in the market for smaller commercial premises with three phase supplies.

A competitively priced product with no compromise on quality.



So what is **eco-max-commercial**?

eco-max-commercial is the smart new way for businesses to reduce their electricity bills 24hrs/day, 7days/week. It carefully uses a technique called Voltage Optimisation which reduces your voltage to around 220 Volts, reducing your energy consumption and carbon footprint, saving you money, and extending the life span of your electrical appliances.

Advances in technology have allowed us to shrink our very successful **eco-max-power** optimiser range, which have been reducing the bills of large businesses since 2002, into a smaller cost effective package.

eco-max-commercial is suitable for use in a variety of businesses, including most commercial and light industrial applications with three phase electricity supplies.

eco-max-commercial-WALL MOUNT is available in two "off the shelf" sizes, 32 Amp and 63 Amp. Both are continually fully rated and housed in wall mounted enclosures that can be configured for cable entry.

Suitable for businesses with a Three Phase electricity supply such as:

Hotels, Restaurants & Pubs: Savings can be made on lighting, kitchen appliances, front of house equipment and accommodation areas

Office & Retail: Savings can be made on equipment such as lighting, heating, ventilation, refrigeration and air-conditioning

Healthcare & Beauty: Dentists, GP's, vets, gyms, spas and hairdressers etc can make savings on equipment such as, tools, lighting, pumps, heating, ventilation and air-conditioning

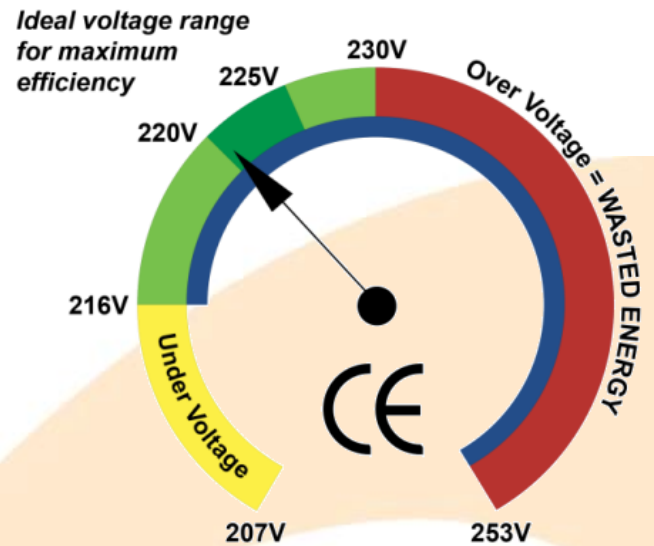
Industrial, Manufacturing & Engineering: Savings can be made on lighting, machinery, motors, pumps, fans, air compressors & tools etc.

Why can my voltage be optimised?

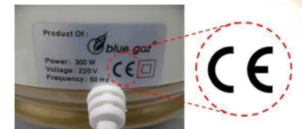
Electrical equipment manufacturers produce products which can be used all over the world. Products for Europe are designed to work across the European harmonised voltage range, (207 Volts to 253 Volts). Since 1993 all electrical equipment designed for Europe must carry a CE mark to show that it complies with this standard.

Voltage optimisation is a well-established and proven technology, especially in the UK where electricity is supplied at an average of 242 Volts, which is high compared to many other countries.

Crucially, much of our electrical equipment operates most efficiently at around 220 Volts. When your voltage exceeds this level, energy is wasted in both heat and vibration, which costs you money and significantly reduces the life span of your electrical appliances i.e. you will not have to change your lamps so often, which will also reduce your on-going maintenance cost.

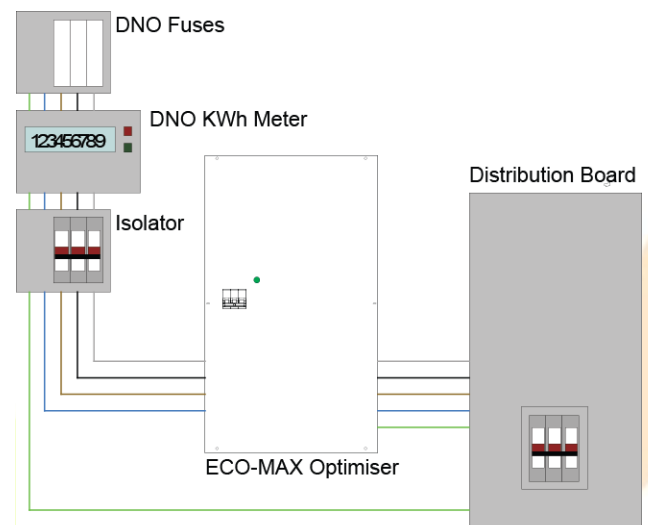


Equipment carrying the CE mark must be capable of operating between 207-253V.



Technical Specifications:

Input Volts	Nominal input voltage 216V-253V (374V-438V), 50Hz AC
Optimised Output Volts	-6%(15V), -8%(20V), -10%(25V)
Continual Current Rating	32A & 63 A 3PH Versions
Winding Type	Toroidal
Efficiency	>99.7%
Operating Temperature	-5°C to +40°C
Humidity	80% (non condensing)
Dimensions	720(h) x 420(w) x 140(d)
Weight	24 / 39Kg
IP Rating	IP21
Terminal capacity	Incoming Phase Conductors = 35mm Incoming Neutral Conductor = 25mm Outgoing Phase Conductor = 35mm Outgoing Neutral Conductor = 25mm
Cable Entries	2 x 32mm LHS 2 x 32mm RHS 2 x 32mm Bottom-All with grommets
Mounting Orientation	Vertical
Mounting Fixings	4 x Key Hole Raised Feet - 7mm Clearance



Typically your electricity consumption will be reduced by at least 10% but savings as high as 19% are possible!