

Manufacturers, Repairers and Rewinders: One of Europe's Largest Stockists of New and Reconditioned Electrical Equipment

Lower CO₂ Emissions with our BEST Range

The Bowers Energy Saving Transformers (BEST)



Range of transformers are specifically designed to provide customers with substantial savings in their Electricity bills and Carbon emissions.

Savings and Energy are achieved in 2 ways:

1- Iron and Copper losses are reduced as a result of manufacturing the transformers from superior grade materials and manufacturing techniques. These materials include the use of special low loss core steel and high grade low resistant copper thereby reducing energy losses within the transformer.

2- Voltage optimisation ensures the correct voltage and power are provided to relevant load.

Load equipment such as motors and lighting are often designed to operate at lower European voltages having a higher efficiency therefore saving further energy consumption. Our BEST transformers are designed to operate at either standard UK voltages or lower European voltages by the operation of an off circuit voltage control switch.

Examples of transformer losses;

Transformer losses have been reducing over the years due to customer demands. With new Government incentives Bowers now offer even lower losses to help end-users reduce their upgrading costs and on-going energy bills. If a site is being upgraded it is normally eligible for a Carbon Trust or Salix 4 year interest free loan which can help finance the project



	<u>Pre 1970</u>	<u>Modern</u>	<u>Bowers BEST</u>
Iron Loss	0.2%	0.16%	0.10%
Copper Loss	1.6%	1.36%	0.91%

It can be seen that if an old transformer is replaced with a Bowers BEST transformer the losses can be reduced by up to 0.79%. On a 1600kVA transformer this equates to 110,726kWh p.a. which could pay for itself in less than 3 years. Bowers offer a free, no obligation site visit to enable us to verify if Voltage Optimisation is suitable to enable you to achieve further energy savings throughout the life of the replacement transformer and possibly bring the pay-back period down to as little as 2 years.



Proudly Manufactured in the U.K.

