

Powerstar's Patented Design

Powerstar is the only voltage optimisation system on the market with a patent on its design. The patent number for the system is: UK PATENT 1014460.8.

The patent applies to the three phase voltage optimisation technology used in the HV and LV commercial and industrial systems. The patent ensures that no other voltage optimisation solution, although similar in principle and application is able to replicate the exact design specification of a Powerstar system. It is through this patented design that Powerstar is able to generate negative power feedback (back EMF).

Most VO systems

Traditional systems transform the entire power output from one voltage to another and although they reduce voltage they also increase current

The patented Powerstar system

Due to the patented design of Powerstar, and the third control winding, Powerstar creates negative power (back EMF) whereby any excess voltage is chopped and sent in the direction of the supply. This ensures only around a tenth of power is transformed resulting in reduced voltage AND current

