



MAX

Powerstar MAX is an electronic dynamic (variable) voltage optimisation system which takes the incoming voltage and optimises it to a constant level providing benefits such as reduced electricity consumption and costs, and prolonging the lifespan of electrical equipment. Stabilised voltage output is achieved through the use of intelligent electronic controls that automatically adjust and maintain the voltage profile in real time.

SOLUTION FEATURES

- MAX systems are suitable for commercial premises and are available in sizes from 28kVA through to a maximum of 3MVA.
- Ideal solution for sites with fluctuating voltage, high night loading or critical equipment requiring additional security
- Undervoltage controller (UVC) – A control system that does not interrupt the incoming electricity supply to the Powerstar system. The UVC will remove the voltage reduction applied when a set point has been reached. The unit is not electrically isolated from the supply.
- Break before make (BBM) – A bypass switch for disconnecting the incoming electricity supply directly to the load, removing the Powerstar system from the circuit. This requires an interruption to the incoming electricity supply and is operated manually.
- Circuit protection (CP) – Circuit protection provides protection against both overload and fault currents for the equipment downstream. If the current exceeds the trip value (this can be either the rating of the CP or the derated value) then the CP will trip and interrupt the circuit.
- Remote monitoring – View key performance characteristics at any time from anywhere with a secure internet connection.

AVERAGE CONSUMPTION SAVING

8-10%

BENEFITS:

- 100% Guaranteed savings
- Carbon emission reductions
- Reduced wear and tear on electrical equipment
- Maintenance free system
- Patented design
- 15 years warranty & 50 year lifespan

TYPICAL PAYBACK PERIOD FOR POWERSTAR'S VOLTAGE OPTIMISATION SOLUTIONS:

2 – 4 years

