



Installed high-current MPE filters provide essential EMC protection for incoming power lines



An MPE ultra-low-leakage power line filter



Manufacturer of UL
Certified Components

MPE widens its standard power line ranges

Over the last five years MPE has seen a growing trend in many applications for electromagnetic interference (EMI) filters with increasingly high current capability and frequency performances. Having been manufacturing and supplying more and more high-performance EMI filters on a customised basis to meet these escalating demands, the company has now taken the logical step of extending the array of these filters available as standard catalogue products.

Accordingly, whilst already offering the largest range of EMI filters of any manufacturer in the world, MPE has now segmented its immense choice of EMI power line filters into two different catalogues:

- High-Performance EMI Power Line Filters up to 2400A Rating
- Specialist High-Performance EMI Power Line Filters

All filters are UKCA and CE marked, RoHS compliant and meet the safety requirements of Underwriters' Laboratories UL1283 and the EU Low Voltage Directive LVD 2014/35/EU.

The first of these new catalogues, HIGH-PERFORMANCE EMI POWER LINE FILTERS UP TO 2400A RATING, details those filters most commonly requested by MPE's markets across six continents. This range has been expanded to cater for currents ranging from 6A to 2400A as used with standard mains voltages and frequencies and offering insertion loss performances through to 40GHz.

The power line filters described in this catalogue are used to remove electromagnetic interference and unintentional transmissions as well as providing protection for TEMPEST zoning installations. The designs offer extensive low-pass suppression of common mode and differential mode EMI, using passive multi-stage components.

The second catalogue, SPECIALIST HIGH-PERFORMANCE EMI POWER LINE FILTERS, itemises those power line filters which, although still regularly requested, are used to address applications of a more specialist nature.

The catalogue covers ranges where applications may demand dedicated single-line or two-line AC or DC voltage filters, tubular filters or 400Hz filters. MPE's unique CleanPower filter ranges are also included, being dedicated to those applications that may have a less stringent performance requirement and accordingly call for the most economical filter solutions.

Both catalogues can be viewed by clicking on the following links:

www.mpe.co.uk/wp-content/uploads/2021/02/Power-Line-Filters-Upto-2400A-Issue-11.pdf

www.mpe.co.uk/wp-content/uploads/2021/02/Specialist-EMI-Power-Line-Filters-Issue-1.pdf

In addition to its catalogue filter ranges, MPE continues to design and manufacture wide-ranging filter solutions which need to be mechanically or electrically customised. Such products supplied over the last 12 months have included filters up to and including a massive 4000A.

To discuss your specific requirements in this area, please call MPE on +44 (0)151 632 9100 or email sales@mpe.co.uk