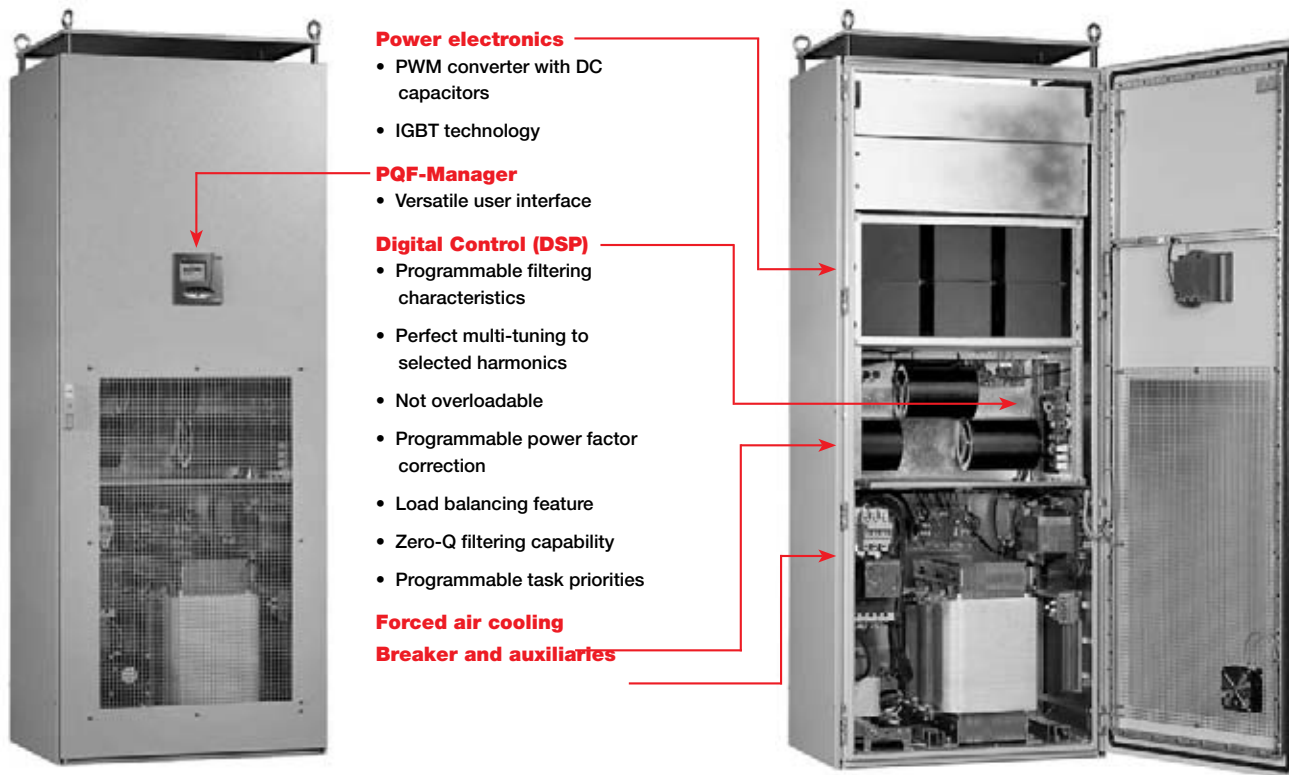


General information

Power quality filter



Power electronics

- PWM converter with DC capacitors
- IGBT technology

PQF-Manager

- Versatile user interface

Digital Control (DSP)

- Programmable filtering characteristics
- Perfect multi-tuning to selected harmonics
- Not overloadable
- Programmable power factor correction
- Load balancing feature
- Zero-Q filtering capability
- Programmable task priorities

Forced air cooling

Breaker and auxiliaries

PQF ratings and capabilities

Power modules for the PQF are available with voltage ratings up to 600V for 50 or 60 Hz. The maximum thermal rating of a single cubicle is 450 A rms. Absolute harmonic filtering capability also depends on the content of higher harmonics with the filtering capability following common load spectra. The reactive power compensation capacity per module is given by the thermal rating.

On site extensions are easily made by adding cubicle sections to a maximum of eight cubicles. Several PQF may operate together on the same network.

Systems for 50 Hz and 60 Hz applications can filter 20 different harmonics from the 2nd to the 50th harmonic.

Selected harmonics can be filtered completely, or to a predescribed level defined in absolute or relative terms.

Reactive power compensation may be chosen and controlled to a desired power factor.

The PQF is programmed through the PQF-Manager graphical user interface. Optional PQF-Link software enables users to program the active filter through an RS232 port using a standard PC.

UL File # E254288

The PQF-Manager

The PQF-Manager is the Graphical User Interface provided in all the PQF types as a standard accessory. It offers direct control, programming, monitoring capabilities without a PC, communication facilities and detailed fault and event logging with real time stamp. The PQF-Manager (144 x 144 mm), fitted in the front panel of the PQF with its large LCD screen display (64 x 132 pixel) makes operating the filter very convenient.

