

Type PQFA Power quality filter

ABB Power Quality Filter
PQFA



Typical application

Power distribution systems which require multiple harmonic elimination or power factor correction.

Product description

The power quality filters developed by ABB are active filters offering unprecedented ability to eliminate harmonics from the network. The PQFA eliminates harmonics in a controlled way. It is easy to expand and adapt to changes in the network. The PQFA monitors the line current in real time and processes the measured harmonics as digital signals in a

high-power DSP (Digital Signal Processor). The output of the DSP controls PWM (Pulse Width Modulated) power modules that through line reactors inject harmonic currents with exactly the opposite phase to those that are to be filtered. The net effect is an elimination of the harmonics and a clean sine-wave as seen by the feeding transformer.

PQFA sizing information

Consult your local ABB representative or the factory for assistance in sizing your PQFA filter.