

Technical data

Power quality filter

Active filter for connection between the three phases of a three-phase network with or without neutral for filtering of non-zero-sequence harmonics and optional reactive power compensation.

Main ratings	400V (415V)/50 Hz; 525V/50Hz; 480V/60Hz; 600V/60Hz
RMS current per module	225A; 170A; 155A; 110A <i>Other voltages and ratings on request</i>
Voltage tolerance	+/- 10%
Frequency	50/60 Hz programmable
Harmonics to filter	50 Hz: Up to 15, programmable up to the 50th harmonic 60 Hz: Up to 12, programmable up to the 41st harmonic
Degree of filtering	Individual harmonics are independently controlled in relative or absolute terms
Typical filtering efficiency	Better than 97%
Reactive power	Power factor programmable between 0.7 inductive to 0.7 capacitive
Communication	RS232 port
Programming	Alt 1) Using PC (not provided) and software provided with the delivery Alt 2) Using optional user interface
Response time	40 ms
Active power	Less than 7 kW per module at full load
Dimensions per cubicle	800 x 2150 x 600 mm (W x H x D)
Weight per cubicle	Appr. 700 kg (with two power modules)
Installation	Floor fixation. Lifting lugs provided.
Environment	Indoor installation in clean environment up to 1000m altitude
Ambient temperature	-10°C/+40°C
Humidity	Maximum 95% RH: non-condensing
Options	Current transformers (ratings and dimension to specify) Loss of voltage alarm contact Graphic user interface

Connection diagram

M1 – M8
Q
Q'
P1
T1
CT

power modules
section circuit breakers
control breakers
control
power transformer
current transformer

