

ENERSINE APF

AblereX Enersine active filters can correct any type of harmonic contamination to protect the system from faults (e.g. burnt-out transformers, damaged capacitors, etc.), while also improving the power factor.

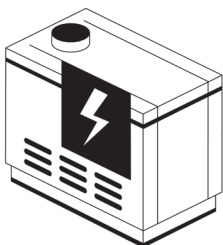
ENERSINE APF wall-mounting 30-100 A

ENERSINE APF modular 400-600 A

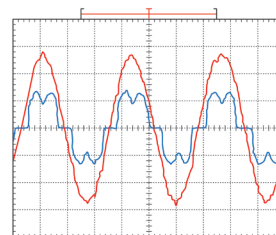


Applications

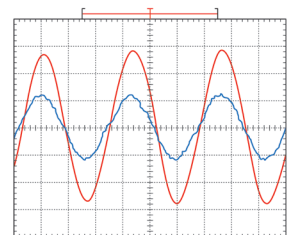
- Broadcasting
- Shopping centres
- Energy suppliers
- Transport infrastructure and control rooms
- Oil&Gas
- Healthcare sector



Generator

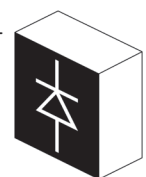


Without Enersine
TDHi%=30% • PF=0.81



With Enersine
TDHi%=4.3% • PF=1.0

Power Utility



Non-Linear Load

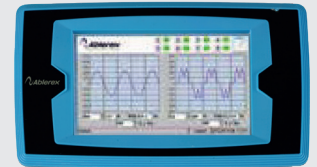
ENERSINE APF

- Enersine active wall-mount filters offer the most economical and effective solution, while the scalability of the modular ones protects your investment over time.
- The power modules of the modular version are easy to install and are hot swappable: they can be replaced while the filter is operating.
- Versatile thanks to the modularity, high nominal current and possibility of parallel connection up to 400 A for the wall version, and up to 2400 A for the modular version.
- Enersine is available in two versions, 4 or 6 modules for 60 A, 80 A or 100 A, which can also be used in a mixed configuration within the same system.
- Maximum performance with 3-level DSP technology.
- Their compact, high-power-density design optimises space.
- Multi-purpose: one model covers all three-phase systems (3-wire or 4-wire).
- Correction of all harmonics up to the 51st (up to the 25th for 30 A) with a response time of less than 1 ms.
- No overload effect.
- Selective mode to select the harmonics to be corrected.
- Phase balancing of three-phase loads.
- Open loop or closed loop installation.
- A single control module manages up to 8 power modules.
- All parameters are under control via the 7" colour (2.7" LCD for 30 A model) touch screen display that shows: voltage and current waveforms, frequency spectrum, parameters and events.
- Events and parameters can be downloaded to a removable SD card.
- Advanced communication: dry contacts (3 in and 1 out), USB, RS485 Modbus, RJ45 Ethernet, programmable email alarm.

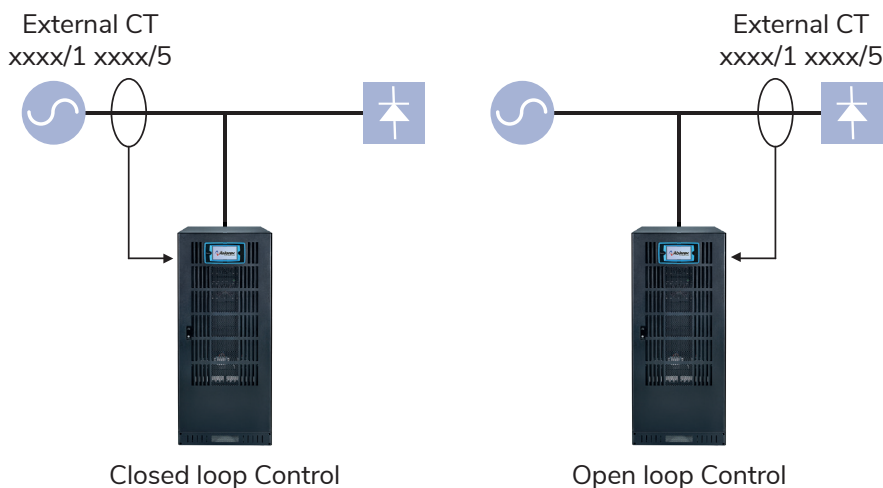
User-friendly user interface

The 7" colour touch screen display can be used to set all parameters, read the event log file and download data to a removable SD card (for 60 A, 80 A, 100 A wall-mounting model and all modular models).

It can also show the voltage and current waveforms, before and after enabling the Enersine, along with a frequency spectrum bar graph.



Open/closed loop control



**Innovative solutions
for maximum protection,
control and unparalleled
power quality**



Enersine APF



Ermes



Enerbatt 3G