

Hybrid Filter Compensation Device Series

HY-HAPF hybrid filter compensation device is made up of APF module and passive branch, including APF module system filters higher harmonic, passive filter branch filters out low harmonics and reactive power compensation system, so as to meet the users demand for reactive power compensation and harmonic control.

PRODUCT FEATURE

High performance

- The passive part eliminates the harmonic of a certain number of times, and the active part further enhances the filtering performance

Strong filtering capability

- filter 2-51 times harmonic
- The maximum harmonic filtration rate $\geq 97\%$

Response quickly

- The total response time $\leq 10\text{ms}$

High performance cost ratio

- Combine active and passive, passive reduces cost

Remote monitoring

- Multiple communication interface (RS485/RS232/WIFI/ bluetooth), standard communication protocol
- Cloud monitoring platform, big data analysis

Man-machine coordination

- Real-time display waveform and data of power quality
- Waveform and data comparison before and after filtering

Easy to install, debug and maintain

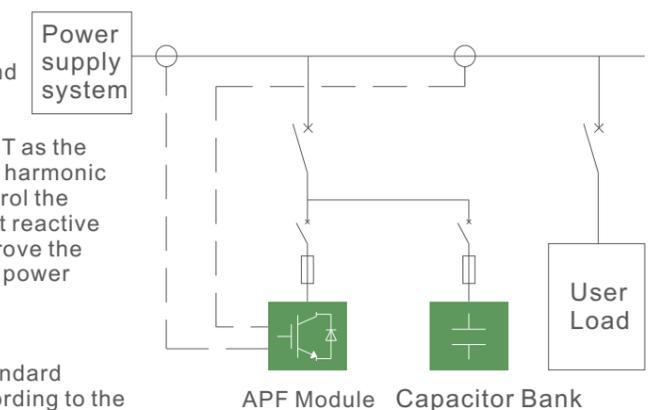
- Modular design, wall-mounted or rack-mounted or cabinet-mounted installation
- Phase sequence automatic identification, no need to distinguish positive sequence
- The current transformer direction can be automatically identified

Better reliability

- The core components are imported
- Performance parameters online automatic proofreading
- Over voltage, under voltage, over temperature, overload and other protections

WORKING PRINCIPLE

HY-HAPF hybrid filter compensation device is made up of APF module and capacitor banks, including APF module takes power semiconductor device IGBT as the core, can quickly filter out harmonic in the power grid, and control the capacitor banks to conduct reactive power compensation, improve the power supply circuit of the power quality.



Note: HY-HAPF has no standard technical parameters, according to the specific engineering application

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