



# Active Harmonic Filters



## Description

Our AHF series is an advanced modular Active Harmonic Filter (AHF) system. The AHF system is constructed of one or several filter modules with system controller. Filter modules and controller, both are embedded in our standard cabinets. CT terminations are fixed in a standard cabinet, and the AHF capacity can be configured accordingly to user requirement. The filter capacity can be easily expanded at the user's site by adding extra filter modules as per site requirement.

### Flexibility:

- Designers have more choices with flexible configuration
- Capability to expand vertically as well as horizontally
- Higher operating temperature up to 50 Deg. C.

### Reliability:

- IGBT paralleling technology
- Intelligent air cooling technology
- High quality components of international brands
- Advanced production technology

# Technical Specifications

#	Parameters
Rated Voltage	AC 415V +20% to - 20% (Other Voltages on request)
Electric Connection	3P3W/3P4W
Input Voltage	THT with stand Up to 15%
Harmonic compensation range	2nd ~ 50th order (Selectable)
Harmonic compensation degree	0 ~ 100% (Selectable)
Harmonic Elimination Rate	Up to 98%, grid side after elimination THDu< 3%, THDi< 5%*
Reactive Power Compensation Capacity	Positive, Negative, Zero Sequence Reactive
Full response time	< 20ms
Instant response time	< 100us
Thermal Loss	≤ 3%
Output Current Limitation	Automatic ( 100% rated current )
MTBF	> 100,000 hours
Switching Frequency	60kHz
Controller	DSP control
Communication	Modbus Protocol, RS232/485



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