

### 300A Active Harmonic Filter

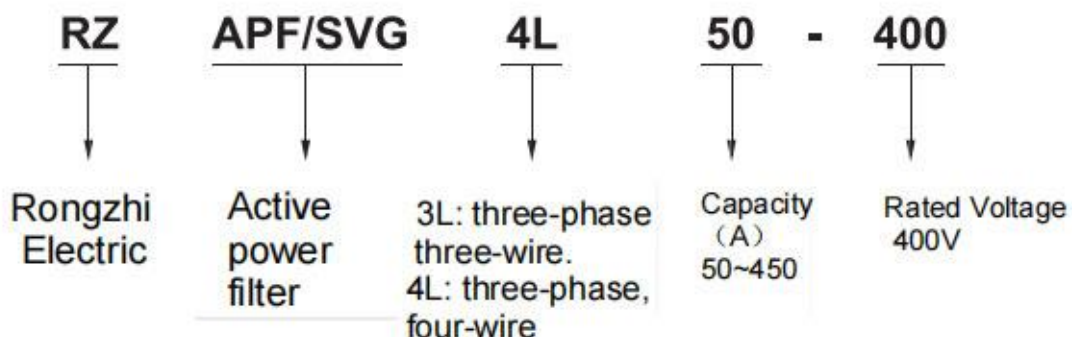


Rongzhi Electric Power is a large-scale 300A Active Harmonic Filter manufacturer and supplier in China. We have been specialized in High voltage equipment for many years. Our products have a good price advantage and cover most of the South America, Middle East, Africa, Southeast Asia markets. We look forward to becoming your long-term partner in China.

### Rongzhi 300A Active Harmonic Filter Introduction

Active power filter (APF: Active power filter (Active power filter) is a new type of power electronic device used for dynamic suppression of harmonics and compensation of reactive power. It can quickly track and compensate harmonics of different sizes and frequencies. The reason why it is called active is that compared with passive LC filter, it can only passively absorb harmonics of fixed frequency and size. APF can control and actively output the size, frequency and phase of current by sampling load current and separating each harmonic and reactive power, and quickly respond to offset the corresponding current in the load, realizing dynamic tracking compensation, and can complement both harmonic and reactive power and unbalance.

### Rongzhi 300A Active Harmonic Filter Model Instruction



## Rongzhi 300A Active Harmonic Filter (Specification)

Size	400V
	50A-450A
Rated input line voltage	380V(-40%~+20%)
Power frequency	50/60Hz(Range45Hz~62Hz)
Number of Parallelable	unlimited
overall efficiency	≥97%
Power network structure	Three phase three wire four phase four wire
Current transformer	150/5~10000/5
circuit topology	Three level
performance index	
harmonic compensation	support
reactive compensation	support
unbalance compensation	support
harmonic range	>97%
fast response time	<100us
total reponse time	<10ms
Target power factor	Capacitive sensibility is continuously adjustable

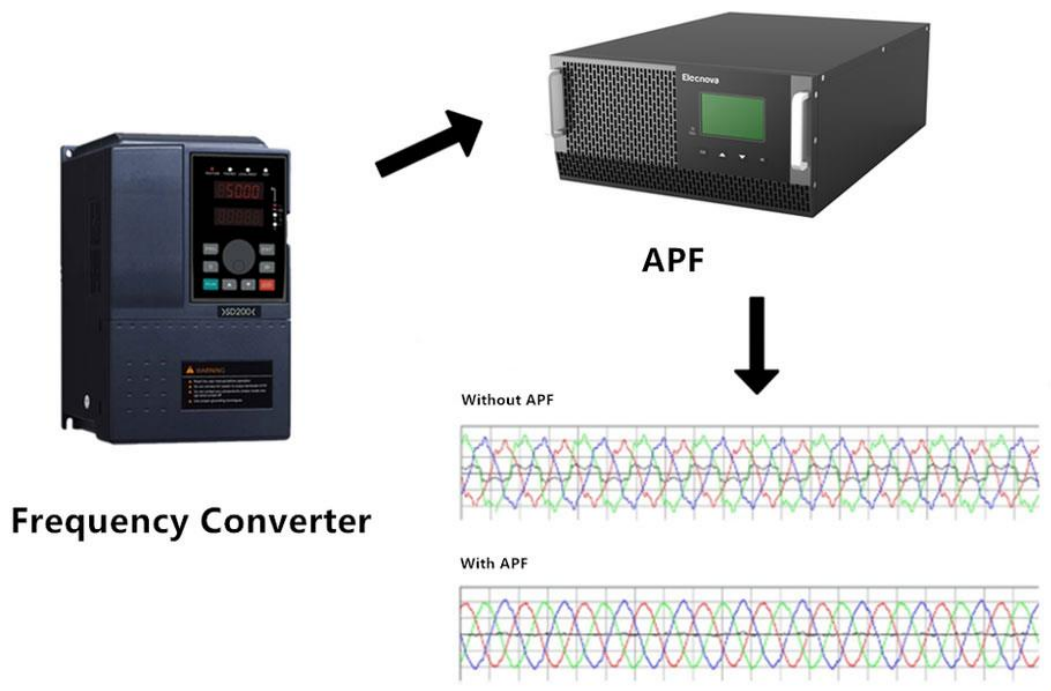
Switch frequency	10kHz
Cooling Type	Intelligent air cooling
noise label	<65dB
communication interface	RS485, CAN, network interface
communication agreement	General electric protocol. Modbus protocol
Module display interface	LCD multi-function touch color screen
Protection function	Protection of overvoltage .short circuit, inverter reverse and over compensation
Fault Alarm	Yes
Environmental requirement	
Altitude	≤ 1500mm,Between 1500 and 4000m, according to GB/T3859-2, every 100m increase, the power is reduced by 1%
Operating temperaturel	-10℃~+40℃
Relative humidity	5%~95%, without condensation
Protection Grade	Other IP levels can be customized



## Rongzhi 300A Active Harmonic Filter Product

### characteristics

1. High filtering accuracy, harmonic current filtering rate can reach more than 97%;
2. Wide filtering range, filtering times: 2-50 harmonics and interharmonics;
3. Fast response to load fluctuations, with a response time of 1us;
4. Dynamic injection current to suppress harmonics and compensate power factor;
5. It will not resonate with the system;
6. Can be multi-unit combination expansion capacity;
7. Suppress system overvoltage to improve system voltage stability
8. Damping power oscillation of power system;
9. Can suppress voltage flicker, compensation three-phase unbalance, improve the power factor;
10. Strong self-protection and stability of the system.



### Rongzhi 300A Active Harmonic Filter Technical parameter

1. Rated working voltage: 380V/220V, 50Hz
2. Rated harmonic compensation capacity: 50A/100A/150A/200A
3. Power consumption of the whole machine: less than 3% of capacity

Zhejiang Rongzhi Electric CO.,LTD.

Tel: +86-577-62968671

E-mail: rz\_start@vip.163.com

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4. Harmonic suppression effect: to meet the national standard requirements, stable THD can be reduced to less than 5%
  5. Rated insulation voltage: 3000V AC, 2500V DC