

## Active Harmonic Filters And Power Optimizer



Rongzhi Electric Power is a large-scale Active Harmonic Filters And Power Optimizer 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.

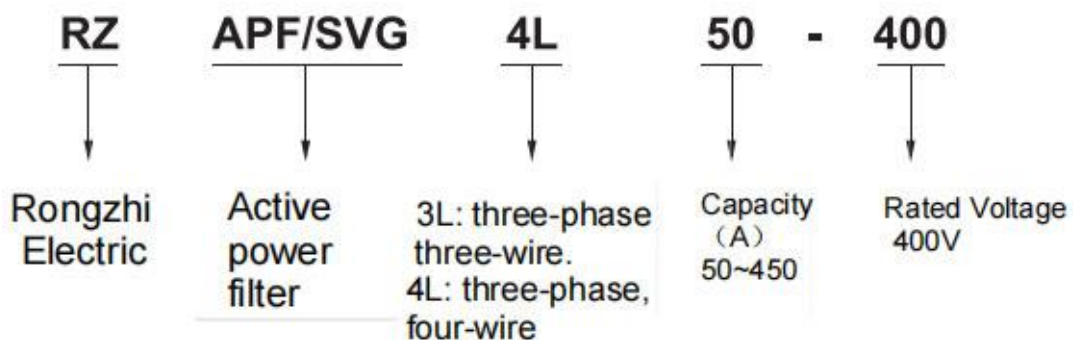
## Rongzhi Active Harmonic Filters And Power Optimizer

### Basic concept

The theory of instantaneous reactive power of three-phase circuit is the main basic theory for the development of APF. There are two kinds of APF, parallel type and series type, the former is used more; Shunt active power filter mainly deals with current harmonics and series active power filter mainly deals with voltage harmonics. Active filter compared with passive filter, good governance effect, mainly can filter out many times and high harmonics at the same time, will not cause resonance, but the price is relatively high!

## Rongzhi Active Harmonic Filters And Power Optimizer

### Model Instruction



## Rongzhi Active Harmonic Filters And Power Optimizer Parameter (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 Active Harmonic Filters And Power Optimizer Feature And Application



### Petroleum And Natural Gas

Oil pumping pump, water injection pump, submersible electric pump, LNG pressure pump, etc.



### Metallurgy

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Sintering spindle fan, blast furnace blower, dust blower, sulfur dioxide drumFan, ring air cooler, combustion fan, circulating water pump, slag pump, except Phosphorus pump, chemical liquid pump, pulp pump, rolling mill, etc

## Rongzhi Active Harmonic Filters And Power Optimizer Packing & Delivery

