

Horizontal Rack Active Power Filter APF



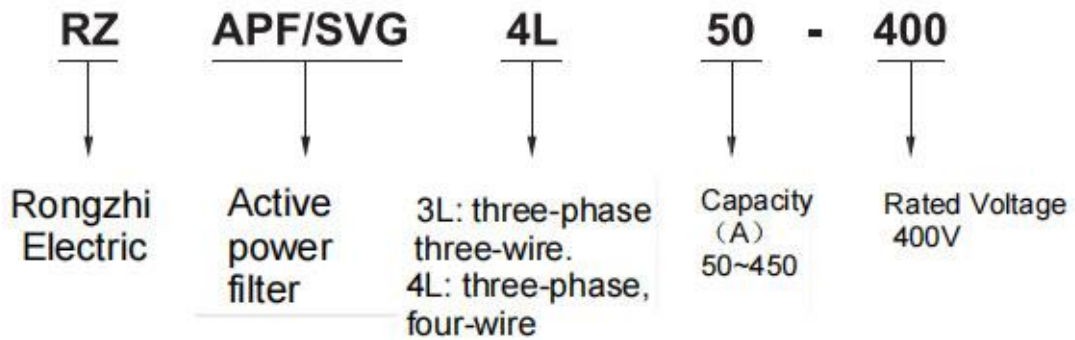
Rongzhi Electric Power is a large-scale Horizontal Rack Active Power Filter APF manufacturer and supplier in China. We have been specialized in High voltage equipment for many years. Our products have a good price advantage and cover most of the South America, Middle East, Africa, Southeast Asia markets.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

Rongzhi Horizontal Rack Active Power Filter APF 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 Horizontal Rack Active Power Filter APF Model

Instruction



Rongzhi Horizontal Rack Active Power Filter APF 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	

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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 temperature	-10°C~+40°C
Relative humidity	5%~95%, without condensation
Protection Grade	Other IP levels can be customized

Rongzhi Horizontal Rack Active Power Filter APF Application Fields



Electricity

Induced draft fan, blower, primary fan, secondary fan, feed water pump, circulating water pump, condensate pump, mortar pump, etc.



Mine

Main and auxiliary shaft hoist, main fan, pressure fan, extraction fan, air Compressor, gas drainage pump, medium pump, drainage pump, belt machine, roller Press, etc.

Rongzhi Horizontal Rack Active Power Filter APF FAQ

Q: Are you trading company or manufacturer ?

A: We are factory located in wenzhou yueqing

Q: Does your company provide customized manufacturing?

A: We provide OEM/ODM service to our customers. Our experienced R&D team will give our customer solution in a high efficiency way.

Q: How long is your delivery time?

A: 3-5 working days for the items were in stock, 15-21days for the items out of stock.

Q: Do you provide samples ? Is it free or extra ?

A: You need to pay for the sample and cover the freight as well.