



HYAPF / HYSVG detects the load current in realtime through the external current transformer (CT), calculates the harmonic/reactive component of the load current through the internal DSP, and sends it to the internal IGBT through the PWM signal, then generate a compensating current with the same amplitude but opposite phase angles to the detected harmonics / reactive power to achieve the filtering/compensation function.

- Harmonic compensation: APF can filter 2 ~ 50 times random harmonics at the same time
- Reactive power compensation: Capacitive & Inductive (-1 ~ 1) stepless compensation
- Fast response
- Design life is more than 100,000 hours (more than ten years)

Model And Meaning

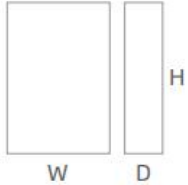
HY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	2	3	4	5	6		
No.	Name			Meaning			
1	Enterprise code			HY			
2	Product type			APF: active power filter SVG: static var generator			
3	Voltage level			400V			
4	Capacity			300A(200kvar)			
5	Wiring Type			4L: 3P4W 3L: 3P3W			
6	Mounting type			No mark: drawer type、A: cabinet type、B: Wall-mounted type (Three options)			

Technical Parameters

Normal working and installation conditions	
Ambient temperature	-10°C ~ +40°C
Relative humidity	5% ~ 95%, no condensation
Altitude	≤ 1500m, 1500~3000m (derating 1% per 100m) according to GB / T3859.2
Environmental conditions	no harmful gas and steam, no conductive or explosive dust, no severe mechanical vibration

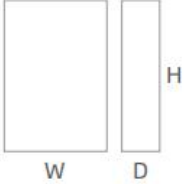
* Note: For other parameters, please refer to P25 module parameters

HYAPF cabinet series model selection

Dimension and structure	HYAPF-400V-	current	unit	Voltage(V)	Dimension(W×D×H)
	100A/4L	100A	set	400	800×800×2200
	150A/4L	150A	set	400	800×800×2200
	200A/4L	200A	set	400	800×800×2200
	250A/4L	250A	set	400	800×800×2200
	300A/4L	300A	set	400	800×800×2200
	400A/4L	400A	set	400	800×800×2200
	500A/4L	500A	set	400	800×800×2200

* Note: The cabinet color is light gray (RAL7035). Other colors, capacities and cabinet sizes can be customized.

SVG cabinet series model selection

Dimension and structure	HYSVG-400V-	capacity	unit	Voltage(V)	Dimension(W×D×H)
	100kvar	100kvar	set	400	800×800×2200
	200kvar	200kvar	set	400	800×800×2200
	300kvar	300kvar	set	400	800×800×2200
	400kvar	400kvar	set	400	800×800×2200

* Note: The cabinet color is light gray (RAL7035). Other colors, capacities and cabinet sizes can be customized.