

Specification of 200V Active Harmonic Filter

Items	200V			
	Sinexcel AHF025/035	Sinexcel AHF050/060	Sinexcel AHF075/100	Sinexcel AHF 150
System parameters				
Rated input	220V(-20% ~ +20%)			
Power grid frequency	50/60HZ (range: 45Hz ~ 62Hz)			
Paraller quantities	Unlimited			
Efficiency	≥97%			
Power grid structure	3P3W/3P4W			
Performance indicators				
Control algorithm	FFT, intelligent FFT, instantaneous reactive power			
Reaction time	<50μs			
Overall response Time	<5ms			
Target power factor	Adjustable from -1 to +1			
Switching frequency	average 20kHz, maximum 35kHz			
Cooling air requirement	321CFM	321CFM	543CFM	825CFM
Noise level	<56dB			<65dB
Communications ports	RS485,and Ether net port(RJ45)			
Communications protocols	MODBUS (RTU, TCP/IP)			
Module display interface	4.3-inch HMI(module), 7-inch HMI(central monitor), LED			
Protection functions	Abnormal voltage/frequency protection; Inverter short-circuit protection; Abnormal output current protection; Inverter over-loaded protection, Over-temperature protection etc.			
Mounting type	Wall-mounted/Rack-mounted/Cabinet			
Dimensions (W x D x H) (mm ³)	400*490*150 (Rack-mounted) 440*150*470 (Wall-mounted)	440*590*190 (Rack-mounted) 440*190*610 (Wall-mounted)	500*600*190(75A) 440*599*230(100A) (Rack-mounted) 500*190*585(75A) 440*232*625(100A) (Wall-mounted)	500*560*269 (Rack-mounted) 500*286*557 (Wall-mounted)
Net weight	18kg	35kg	40kg	48kg
Ambient temperature	'-10℃~40℃ (derating if ambient temperature exceeds 45℃)			
Relative humidity	5% to 95%, non-condensing			
protection class	IP20 (IP degrees can be customizd)			
Qualifications	CE, cETLus, cULus			
Standards Compliance	IEEE519, ER G5/4 , IEC 61000			