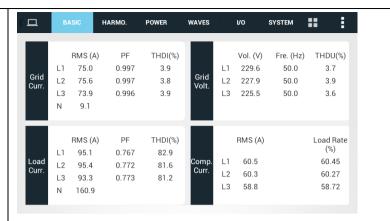
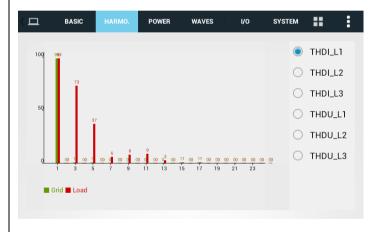
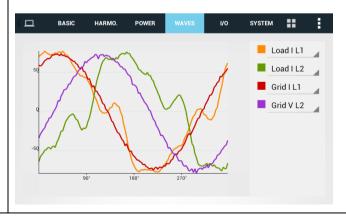
Items	Schneider	Sinexcel	Conclusion
Module capacity	480V series don't have module design Single cabinet capacity: AccuSine PCS+ : 60/120/200/300A	Single module capacity: 25/35/50/60/75/90A	Sinexcel AHF has the mos complete module capacity in power quality business so it is more flexible on choosing single module capacity. With different combination, it can meet various requirements of different projects.
Mounting,	Dimension:	The modules have both rack mount and wall mount	Sinexcel is the first company in
dimension and	Cabnet dimension:	Dimension:	the world to invent modula
weight	1300*421*349/ 2100*800*500/ 1400*421*384	Rack-mounted: 544x640x250mm	design for AHF. So Sinexcel ha
	/	Wall-mounted: 504*253*640mm	the most compact module and
	2100*800*500/ 1323*582*438/ 2100*900*600/ 1560*582*438/ 2100*900*600/ 2100*1300*500 / 2100*1400*600/ 2000*800*600 Weight: 60A: 88/277/291 kg 120A: 113/279/293kg 200A: 171/363/384/402kg 300A: 210/402/422/436kg	Weight: 66kg	most flexible solution.
	Wall-mounted: 60A: 1530*421*349 with 97.3kg 120A: 1730*421*384 with 122kg 200A: 1642*575*435 with 180kg 300A: 1882*575*435 with 218.6kg		

Parallel connection	Up to 10 units per set of CT	Could unlimited parallel connection	Sinexcel is the first company in the world to design unlimited parallel connection. Sinexcel cabinets use FACTS (Flexible Alternative Current Transmission System) technology. Flexible to integrate both AHF, and SVG, for different power rating modules. Flexible for both top and bottom cable entrance. Flexible to set bus bar at the back or side. Flexible for more capacity option. Able to connect in parallel unlimitedly between cabinets.
Monitor interface	LCD controller and display	7 inch or 4.3 inch colorful touch HMI screen.	Much smarter HMI monitor fo Sinexcel products.





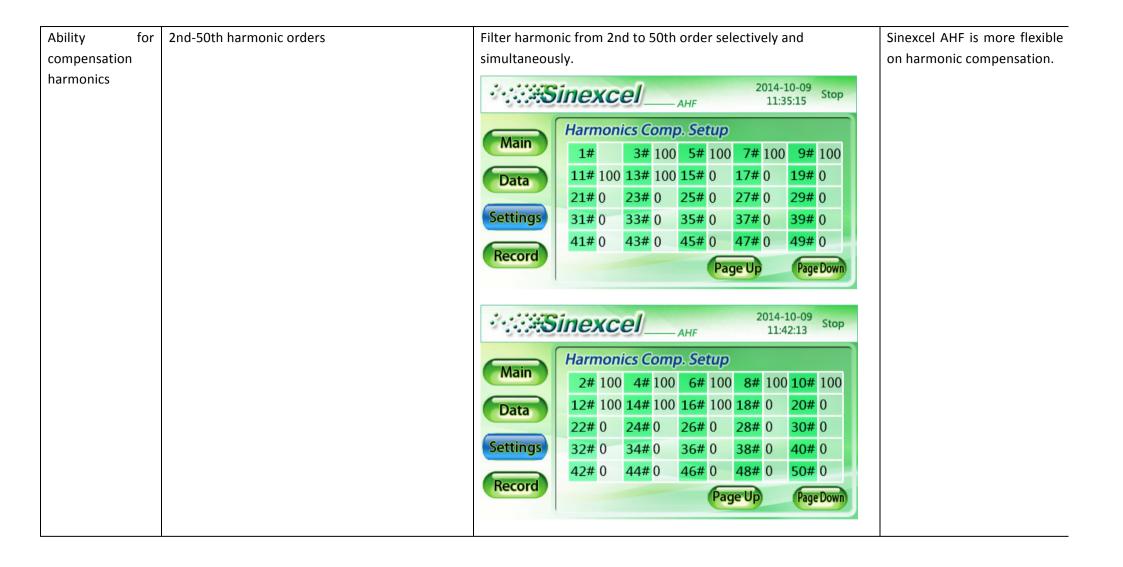




Comparison for before an after compensation performance of each individual harmonic order could be even shown on the monitor. You call clearly see the value of THDi.

Also waveform of before an after compensation an spectrum on the same screet with different color. Multiple chooses about display, Gridload or compensation' parameters.

Switching frequency	20KHz	Average 20KHz ,the highest frequency up to 35KHz	
Altitude	1000m, (derate 1% per 100 m above)	1,500m /derating up to 4,000m, 1%/100m	
Noise level	<70dB	<65dB	
Response time	40ms	5ms	



Function sequence	AccuSine PCS+: Phase harmonic/ PFC/ Mains current	Up to 12 working modes including different priorities and different combinations for "harmonic compensation", "power factor correction" and "3-phase load balancing".	With 12 selective working modes, Sinexcel AHF could combine three
	Balancing	Main Operation Mode Harmonics Comp. H+B+Q H+Q+B H+Q+B Auto-ageing Total Capacity Page Down (Different combinations represent different priority. e.g. the combination of H+Q+B means preferential compensation of harmonics, then reactive power, and three-phase imbalance; H+B+Q means preferential compensation of harmonics, then three-phase imbalance, and reactive power; mode 0 means sole compensation of harmonics, Q+H means preferential compensation of reactive power, and then harmonics compensation.)	
Input	Input voltage and frequency: 380-480 VAC; +10%/-15% 50/60 Hz, ±3 % auto sensing	Input voltage and frequency: 480 (384V -552V), 45~62Hz	Sinexcel AHF have stronger self-adaption ability both for voltage degree and frequency range, which means that it could solve problems under more strict situations.

Cabinet Capacity Maximum 300A Cabnet dimension: (H*W*D) 1300*421*349/ 2100*800*500/ 1400*421*384 / 2100*800*500/ 1323*582*438/ 2100*900*600/ 1560*582*438/ 2100*900*600/ 2100*1300*500 / 2100*1400*600/

2000*800*600



Flexible type cabinet: (W*D*H)

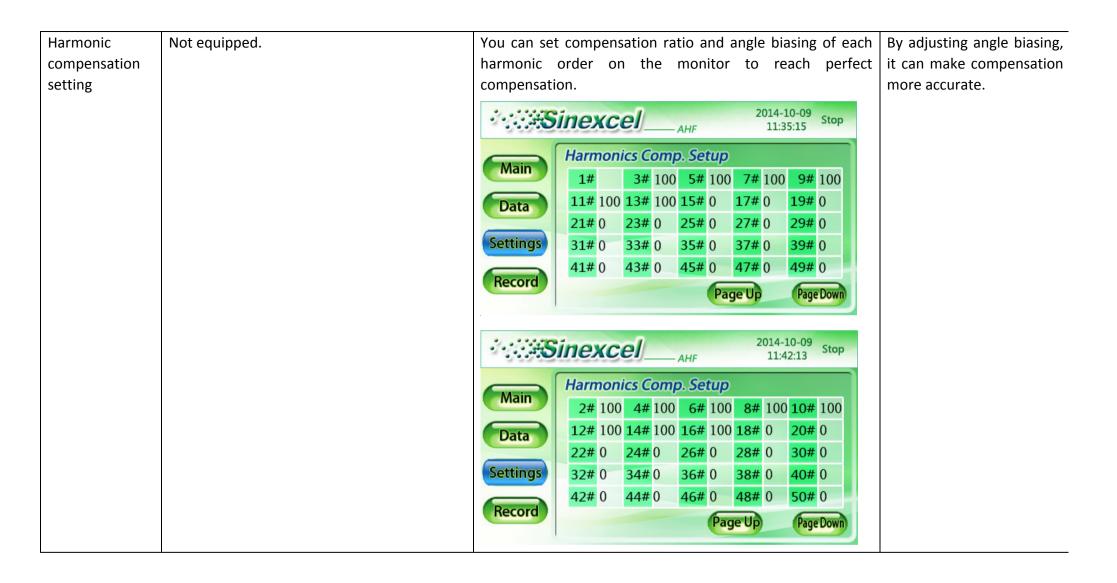
600*1000*2200 800*1000*2200

800*800*2200



Plug type cabinet 600*800*2200

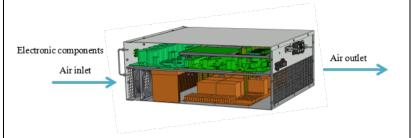
Maximum one cabinet 450A or 375kVar.



Air flow design

Natural and forced ventilation. Separate air
plenums for heat sink section and PCBA
section. Heat sink plenum input from bottom
with exhaust out top. All components in heat sink
plenum rated IP54 or better => no Itering
required PCBA air supply must be clean and dry
(Itering may be required). No conductive

particles permitted.



The top layer is the electronic components like DSP and chips. And the bottom layer is the IGBT, inductors and the heat sink. It's designed to protect the micro electronic components from the dust and the heat elements.

Perfect design for: Heat dissipation Dust prevention

No AC capacitor and no need to do maintenance

Compensation	FFT algorithm	Sinexcel AHF support 3 kinds of algorithms	Intelligent FFT is a unique
algorithm		Intelligent FFT	algorithm invented by
		FFT	Sinexcel. Can self-study the
		Instantaneous reactive power algorithm.	system impedance to avoid
			system resonance by
			gradually increasing AHF
			capacity
Communication			Sinexcel HMI have integrate
	Modbus RTU, Modbus TCP/IP	Communications ports have RS485 and Ethernet port(RJ45),the	all software function that
		protocols use Modbus(RTU).	users could setting the
			parameters of AHF, don't
			need the software in the PC
			to Debug and setup.And
			another function is send
			Email, you can see the
			parameters of operation
			every week and month or
			year
3P3L and 3P4L module type		Same module for 3P3L and 3P4L	
			3P3L and 3P4L have same
			module. If you want to
			change the phase condition,
Components		Could as the components installed in all kinds of devices, become	needn't to change the
Attribute		a part of the system	cabinet or add any
		ALE TO BE SEE THE PROPERTY OF	conponents.
			Could as the components
			installed in all kinds of
			devices