

Items	Sinexcel Ultra Series AHF					
Rating	25/35A	50/60A	75A	100A	125/150A	200/300A
Function	Harmonic, reactive power and three-phase unbalance compensation					
System parameters						
Nominal voltage	400V（228-456V,-40%~20%）					
Nominal frequency	50/60Hz, Auto sensing（Range：45Hz~62.5Hz）					
Parallel quantities	Unlimited					
Efficiency	99%					98.5%
Connection type	3 Phase 3 Wire / 3 Phase 4 Wire					
CT location	Load / Supply side, close loop sampling					
Performance indicators						
Control algorithm	FFT, intelligent FFT, and instantaneous reactive power					
Compensation Order	2nd to 50th, selectable for each order, amplitude ajustment					
Advanced control algorithm	Resonance suppression, compensation performance software auto-tuning, no CT connection for THDu compensation					
Compensation rate	> 97%					
Even harmonic compensation rate	> 97%					> 97%
Zero-Sequence compensation rate	3 times capacity compensated, >97%.					
Fast response Time	< 50us					
Full response Time	< 15ms					
Target power factor	Adjustable from -1 to +1					
Switching frequency	Average 40kHz, up to 95kHz					
Cooling air requirement	240CFM			275CFM	310CFM	600CFM
Noise level	<56dB (Full load)				<60dB (Full load)	<64dB (Full load)
Communications ports	RS485 and Ethernet port(RJ45)					
Communications protocols	Modbus RTU, TCP/IP					
Module display interface	4.3-inch HMI(module), 7-inch HMI(central monitor) and LED					
Protection functions	Over-voltage protection, under-voltage protection, inverter bridge inverse protection, over-compensation protection and so on					
Mounting type	Wall-mounted, Rack-mounted and Cabinet					Wall-mounted and Rack-mounted
Dimensions (W x D x H mm)	500*470*88			500*520*88	500*520*100	500*600*220
Net weight	18kg			25kg	30kg	60kg
Storage temperature	-40℃~70℃					
Operating Ambient temperature	-10℃~50℃ (will derate capacity if ambient temperature exceeds 40℃)					
Relative humidity	5% to 95%, non-condensing					
Altitude	≤1500m, 1500-4000m, capacity is derating 1% for every 100m altitude increased.					
Protection class	IP20 (IP grade can be customizable)					
Certificate	CE					