

Items	Sinexcel Ultra Series AHF		
Rating	25/35A	50/60A	75A
Function	Harmonic, reactive power and three-phase unbalance compensation		
<b>System parameters</b>			
Nominal voltage	380/400/415V (228-456V)		
L-N voltage	220/230/240V (132-264V)		
Nominal frequency	50/60Hz, auto sensing (Range : 45Hz~62.5Hz)		
Parallel quantities	Unlimited		
Efficiency	99%		
Connection type	3 Phase 3 Wire / 3 Phase 4 Wire		
CT location	Load / Supply side		
<b>Performance indicators</b>			
Control algorithm	FFT, intelligent FFT, and instantaneous reactive power		
Compensation Order	2nd to 50th, selectable for each order, amplitude adjustment		
Advanced control algorithm	Resonance suppression, compensation performance software auto-tuning, no CT connection for THDu compensation		
Compensation rate	> 97%		
Even harmonic compensation rate	> 97%		
Zero-Sequence compensation rate	3 times capacity compensated, >97%.		
Fast response Time	< 50us		
Full response Time	< 5ms		
Target power factor	Adjustable from -1 to +1		
Switching frequency	Average 40kHz, up to 90kHz		
Cooling air requirement	180CFM		
Noise level	<60dB (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		
Dimensions (W x D x H mm)	500*470*88		
Net weight	17kg		
Storage temperature	-20℃~70℃		
Operating Ambient temperature	-10℃~40℃ (may 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 degree is customizable)		
Qualifications	CE		
Standards Compliance	IEEE519, ER G5/4 and IEC 61000		