Sinexcel

Items	Sinexcel Ultra Series ASVG
Rating	200kVAr
Function	2nd~13rd harmonic, reactive power and three-phase unbalance compensation
System parameters	
Nominal voltage	380/400/415V（228-456V）
L-N voltage	220/230/240V (127-263V)
Nominal frequence	50/60Hz, auto sensing（Range : 45Hz～62.5Hz）
Parallel quantities	Unlimited
Efficiency	98.5%
Connection type	3 Phase 3 Wire / 3 Phase 4 Wire
CT location	Load / Supply side
Performance indicators	
Control algorithm	FFT, intelligent FFT, and instantaneous reactive power
Compensation Order	2nd to 13rd, 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	> 95%
Zero-Sequence compensation rate	3 times capacity compensated, >95%.
Fast response Time	< 50us
Full response Time	< 5ms
Target power factor	Adjustable from -1 to +1
Switching frequency	Average 40kHz,up to 95kHz
Cooling air requirement	80CFM*6
Noise level	<68dB (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 and Rack-mounted
Dimensions (W x D x H mm)	500*646*220
Net weight	50kg
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 can be customized)
Qualifications	CE (400V type AHF)