

Items	Sinexcel Ultra Series ASVG
Rating	100kVAr
Function	Harmonic, reactive power and three-phase unbalance compensation
System parameters	
Nominal voltage	380V (-40% ~ +20%)
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
Performance indicators	
Compensation rate	> 97%
Compensation Order	2nd to 13th, selectable for each order, amplitude adjustment
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	115 l/s
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*520*100
Net weight	25kg
Storage temperature	-40℃ ~ 70℃
Operating Ambient temperature	-20℃ ~ 45℃ (may derate capacity if ambient temperature exceeds 45℃)
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 (400V type AHF); ETL (Compatible 380~480V type AHF)
Standards Compliance	IEEE519, ER G5/4 and IEC 61000