

Items	Sinexcel Ultra Series SVG			
Rating	30K	50K	100K	200K
Function	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%		98.5%	
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			
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	180CFM	240CFM	480CFM	
Noise level	<60dB (Full load)	<65dB (Full load)	<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, Rack-mounted and Cabinet		Wall-mounted and Rack-mounted	
Dimensions (W x D x H mm)	500*470*88	500*520*100	500*646*220	
Net weight	24kg	32kg	63kg	
Storage temperature	-40°C~70°C			
Operating Ambient temperature	-10°C~40°C (may derate capacity if ambient temperature exceeds 40°C)			
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 customizable)			