

Rated Voltage

Inverter topology

Switching Frequency

Harmonic compensation capacity

Instantaneous response time

Drawer Type Size (WxHxD)

Operating Temperature

RS485 Communication

HMI Monitoring Screen

Electromagnetic Compatibility

Relative Humidity

Module Display

Electrical Safety

Third Party Approvals

Unbalanced current

compensation Cable Entry

Overcurrent

Alarm record Cooling Direction

Full Response Time

Target Power Factor

Cooling Mode

Fixing Type

Net Weight

Frequency

Parallel

Wiring

Protection

Heat Loss

MTBF

## THE FIRST CHOICE OF ENERGY EFFICIENCY

# **ADVANCED STATIC VAR GENERATOR (ASVG)**

Advanced Static Var Generator (ASVG) is a hybrid IGBT based device connected in parallel with a non-linear load that requires harmonic • mitigation as well as power factor correction.

ASVG works by injecting compensating harmonic currents by generating an equal compensation current for each selected harmonic order 180° phase shifted to the incident harmonic. It also monitors the power factor and injects required reactive currents. The result in simultaneous power factor & harmonics correction.

PRODUCT INFORMATION - ELCO SYSTEMS - ADVANCED STATIC VAR GENERATOR (ASVG) 17kvar + 25A

450 x 88 x580

400V/415V ±15% 50 Hz -10% +20%

Max 15 for 7'HMI

Up to 98%

< 2.5% 100/5 ~ 10000/5

Up to 100,000 hours

20kHz

Rear of Module

≤ 50% of rated [minimum]

Up to 120%

Front Entry

< 0.05 ms

< 5 ms

1.0 or as setting

Fan cooling

≤1000m

-10°C~+50°C

5%~95% without condensation

RS485 parallel communication connection

64.5mm\*13.8mm LCD screen inch LCD touch screen (155mm x 88mm) - with IP65 Display with USB Port for export data Display Funcation - % working of SVG that compensate to system and internal temperature Voltage, Current, THDv, THDi, Harmonic Spectrum, Power Factor, Active Power, Reactive

Control Fuction - Current Compensation, Current Vectors, Compensation Priority, change

Low Voltage Directive 2014/35/EU, EN 62477-1:2012+A11:2014+A1:2017, EIT022001

IEC 61000-3-2: 2019, IEC 61000-3-3: 2019, IEC 61000-6-1:2019, IEC 61000-6-3: 2007/A1:2011

IEC 61000-4-2 , IEC 61000-4-3, IEC 61000-4-4 , IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-11, 2014/30/EU, G 5/4-1, BS EN 61000-6-4, BS EN 61000-6-2

CE Certificate, CQC, Type Test Report, ISO9001 Certificate

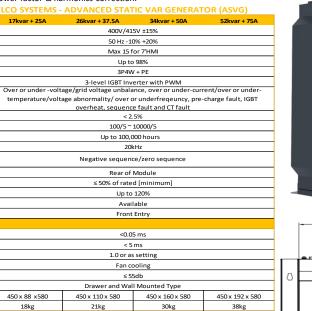
30kg

450 x 110 x 580

21kg

Power, Apparent Power in grid and load side

- Protection of loads and equipment from waveform distortions, voltage variations, harmonics mitigation, low power factor and load imbalance.
- Energy efficiency and savings: Lower energy losses and a higher efficiency of
- Allows reduced production downtime.
- Increase lifetime of the electrical equipment.
- Real time compensation of current harmonics.
- Flexibility: Take care of individual disturbance patterns and automatically adapt to changing load conditions and sudden network load changes
- Simple dimensioning and installation.
- Default 50% Power Split but it is adjustable.
- Allows compliance to ER UK G5/4 Harmonics Standard



Wall Mounted Type (50A / 75A / 100A/ 150A)

### **PRODUCT INFORMATION - ASVG**

Product Code	Туре	kvar	amp	Dimension (mm)							
				Α	В	С	D	Е	F	G	Н
ASVGELCO0050400D	Drawer Type	17	25.0	520	450	88	50	19	450	580	643
ASVGELCO0075400D		26	37.5	520	450	110	72	19	450	580	643
ASVGELCO0100400D		34	50.0	520	450	160	70	45	450	580	639
ASVGELCO0150400D		52	75.0	520	450	192	102	45	450	580	639
ASVGELCO0050400W	Wall Mounted	17	25.0	500	450	580	300	230	643	63.5	88
ASVGELCO0075400W		26	37.5	500	450	580	300	230	643	85.5	130
ASVGELCO0100400W		34	50.0	500	450	580	300	230	639	123.5	190
ASVGELCO0150400W		52	75.0	500	450	580	300	230	639	148.5	222

