



SVG-3WS-30k-480

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Code: R7NSTB. (CONSULTAR DISPONIBILIDAD)

- > static var generator
- > System: 3 wires
- > 230...480 V
- > Q (kvar): 30
- > Phase current: 44
- > EMI filter: 0

Description

SVG Static Var Generator are the most accurate reactive power compensation solution, for both unbalanced three-phase systems and facilities with inductive and capacitive reactive power. It can be used in three-phase industrial, commercial or service installations and is not affected by the harmonics of the installation. A system with greater safety and very little maintenance.

The following features and functions are implemented:

- Unit reactive power compensation capacity (inductive/capacitive) of 30 kvar.
- Small wall-mounted cabinet. Its compact dimensions make it easy to install.
- Voltage and frequency multi-range (50/60 Hz).
- Immunity to harmonic currents.
- Cos ϕ range of 0.7 inductive...1...0.7 capacitive.
- Online operation monitoring.

If higher power factor correction capacities are required, up to 100 units can be connected in parallel.

Application

The perfect solution for individual loads or facilities with a large number of single-phase or three-phase loads, both inductive and capacitive. Also for facilities where the load fluctuates over short periods of time. For example, loads from bridge cranes, welding kits, lifts, drilling/grinding operations, and data centres.



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Specifications

AC power supply

Frequency	50 / 60 Hz \pm 5 %
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Electrical characteristics

Voltage THD	25%
Maximum phase current	44 A (RMS)
Maximum neutral current	44 A (RMS)
Voltage	230 - 400 V ph-ph (\pm 10 %)

Mechanical characteristics

Size (mm) width x height x depth	435 x 600 x 257 (mm)
Torque setting	Network (power supply): 6 Nm / Current: < 0.8 Nm / RS-485 communications connector: 0.5 ...0.6 Nm
Communications cable cross-section	2,5 mm ² máx.
Cable gauge at power supply terminals	Grid: 35 mm ² toe cap
Cable gauge at current terminals	2,5 mm ² max.
Connection type	Network (power supply): toe, Current: 6-pole connector, RS-485: 3-pole connector, Ethernet: RJ-45
Weight (kg)	31

Environmental characteristics

Protection class	IP 21 (other, please consult)
Relative humidity (without condensation)	0 ... 95 %
Storage temperature	-20 ... +50 °C
Working temperature	-10 ... +45 °C

Current measurement circuit

Consumption	1,5 VA por transformador
Maximum input current consumption	1050 W
Transformation ratio	3 or 2x transformer: 5/5A ... 5000/5A Class 1 or better (0,5 – 0,2- 0,2S) Frequency response up to 2500Hz / 3000 Hz (60 Hz)

Communications

Stop bits (ModBus)	1
Parity	non
Protocol	Modbus RTU
Type	Modbus RTU / Ethernet: TCP/IP, Modbus TCP
Speed	9600



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Standards

Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300 V
Electrical safety, Contamination level/class	Category 2
Standards	UNE-EN 62477-1, UNE-EN 55011, IEC 61000-6-2, IEC 61000-6-4, IEC 61439-1

User interface

Display type	Touch 3.5" color
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Features / performance

Reactive power compensation (Kvar)	Selectable: 0.7 inductive ... 0.7 capacitive
Filtering / Response time	20 ms
Parallel assembly/installation	Up to 100 units, with different gauges. CTs connection only to the "master" unit Advanced management algorithm: Maximizes the life of the devices (alternate operation of devices). Maximises operational efficiency (Only the necessary filters are activated). Allows redundancy (system operation in the event of device malfunction).

Please contact our technical department for networks with high THD(V) levels