



## SVG-3WF-30k-480

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Code: R7NST3.

- > static var generator
- > System: 3 wires
- > 230...480 V
- > Q (kvar): 30
- > Phase current: 44
- > EMI filter: 1

### 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 710 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 <sup>2</sup> máx.
Cable gauge at power supply terminals	Grid: 35 mm <sup>2</sup> toe cap
Cable gauge at current terminals	2,5 mm <sup>2</sup> max.
Connection type	Network (power supply): toe, Current: 6-pole connector, RS-485: 3-pole connector, Ethernet: RJ-45
Weight (kg)	32

#### Environmental characteristics

Protection class	IP 21 (other, please consult)
Relative humidity (without condensation)	0 ... 95 %
Storage temperature	-20 ... +50 °C
Operating 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
Protocol	Modbus RTU



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Type	Modbus RTU / Ethernet: TCP/IP, Modbus TCP
Speed	9600

### 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

### 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).



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