SVGmStatic var generator

Power factor correction





The most accurate compensation

Inductive or capacitive reactive energy correction in unbalanced networks



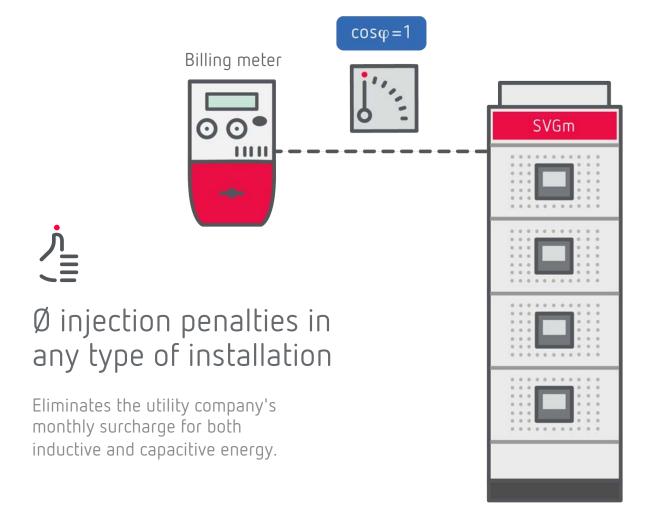


The **SVGm** compensates the reactive energy in your installation, **saving** in two ways:

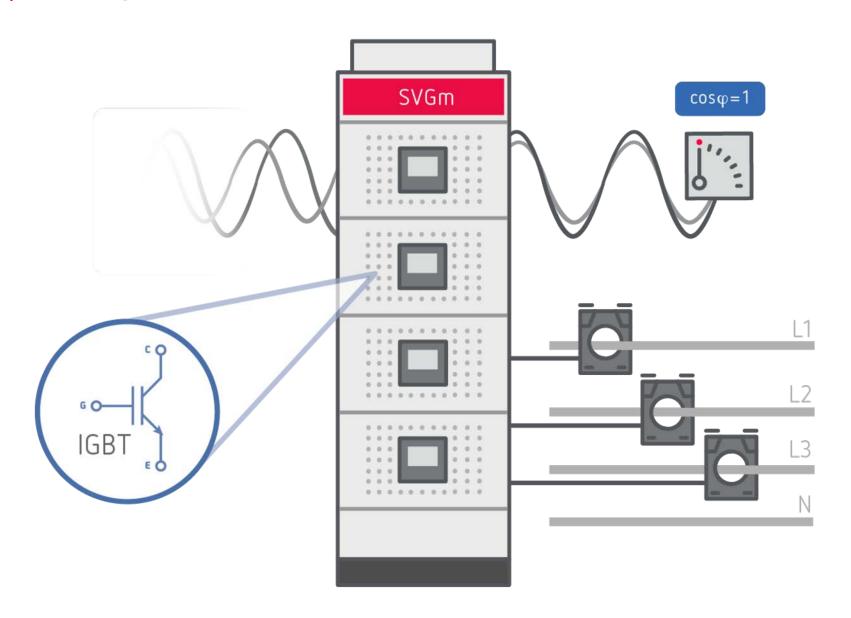


Optimizes your installation

The reactive energy correction reduces the current flow through the installation's conductors, avoiding any overheating and the triggering of protections. In addition, it optimises the performance of your installation's power transformer.

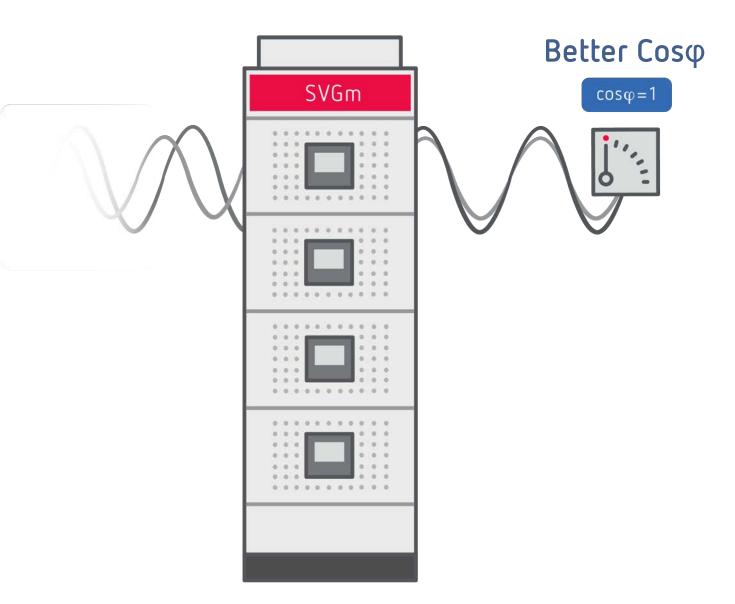






- Measurement using three current transformers
- Switching using IGBTs
- Reactive current injection





BENEFITS OF ACTIVE COMPENSATION



Accuracy

Allows setting a target $Cos\phi$. From 0.7 inductive to 0.7 capacitive. The unit compensates the exact amount of reactive current to achieve the set target value.

Unlike conventional compensation units using contactors, no transients occur as the technology is not based on the connection of capacitors.



BENEFITS OF ACTIVE COMPENSATION



Speed

The **SVGm** has the most advanced technology in the switching elements. With a response time lower than 20ms. The unit has been designed to instantly compensate in networks with high consumption variability.



Built-in IGBT technology for fast power factor correction





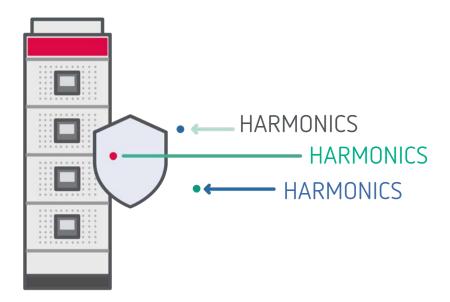
BENEFITS OF ACTIVE COMPENSATION



Immunity and maintenance

SVGm uses power electronics to correct the power factor. As there are no passive elements, the device can be installed in any type of network with a high harmonic current presence without affecting its performance.

The **SVGm** operates without mechanical components, thereby avoiding maintenance and replacement of components.



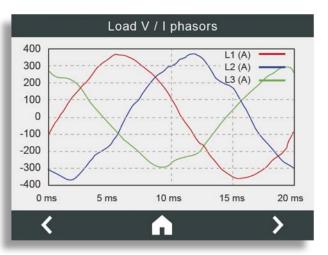


SVGm Generador estático de reactiva Static Var generator Run 91.7% RESET STOP Phasors V/I Network **w** 332.50 kW 337.49 kW L1 = 0.0 A122.45 kvar 30.73 kvar L2 = 0.0 Acosφ 1.00 cosφ 0.94 L3 = 0.0 A \mathbf{n}

INTERACTION WITH THE UNIT VIA TOUCHSCREEN



The status of the compensation and the electrical parameters can be displayed on the screen, using colour diagrams and graphs for a simplified interpretation and an instantaneous reading of the unit's operating condition.





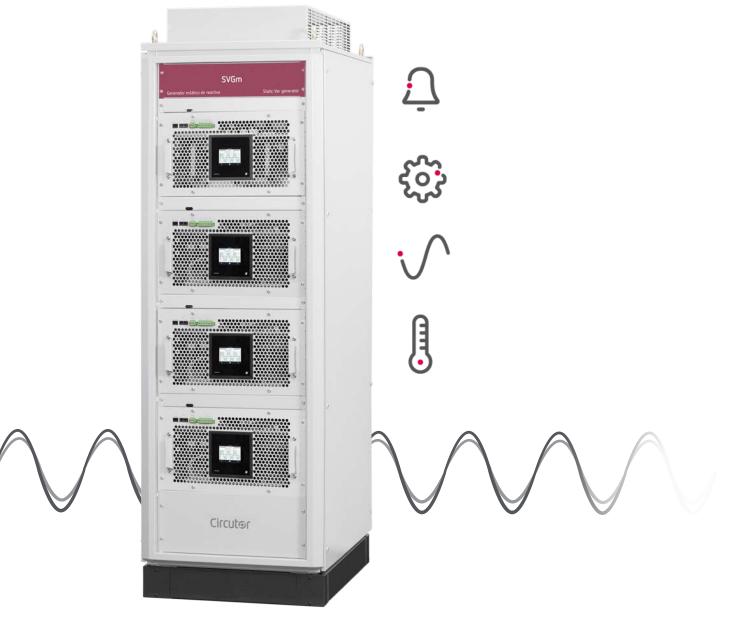
Easily download stored data SVGm

REMOTE MANAGEMENT



- The **SVGm** incorporates a datalogger that logs alarms and stores basic electrical parameters.
- Up to 7 years of data stored in its 2 Gb internal memory are readily available to be downloaded via an integrated web server.
- It features Ethernet connectivity for a complete management of the unit, whether locally or remotely; to access logs stored on the memory; and to configure it and commission it. The web server is accessed from any browser, via a mobile device or PC.





ALL SECURITY SYSTEMS



- Automatic power regulation system based on the detected temperature, aimed at protecting the unit in maximum operating conditions.
- Auto-diagnosis system guaranteeing a safe commissioning.
- In the event of detecting a failure, the SVGm will switch to safe mode in order to avoid damaging the unit and will log an alarm on the unit's memory.
- The ventilation system is adjusted automatically according to the temperature detected by its sensors.
- Alarm log to be consulted via screen or communications.



Commissioning in just 3 steps

CONNECT

SET-UP

3 START



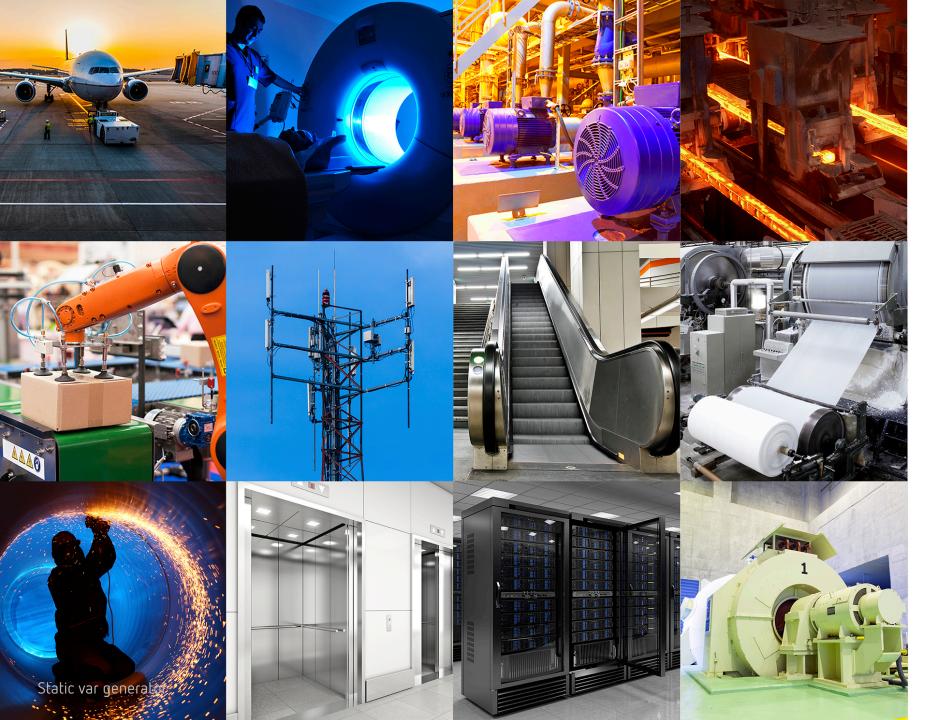
QUICK AND EASY INSTALLATION



The unit starts compensating in just 3 steps. The initial configuration can be carried out either on-site using the touchscreen or remotely via communications.







Applications

The **SVGm**'s features make it **a** multi-purpose unit that can be installed for multiple applications, whether in the industrial or the services and infrastructures sector.

Industrial furnaces, welding equipment, electric motors with variable speed drives, telecommunications infrastructures, hospitals or airports (lifts and escalators), data centres, paper industry, electric generators...

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