

StecaGrid SEM

Smart Energy Manager

Smart Energy Manager for coolcept fleX, coolcept³ fleX, coolcept fleX XL.

The feed-in management solution

The StecaGrid SEM offers different options of realising feed-in management with a photovoltaic system. A ripple control receiver from the relevant distribution grid operator can be connected. The feed output at the grid connection point can be limited to an adjustable value, or the ripple control signal can be switched to the relay output. Up to ten inverters can be connected to the StecaGrid SEM via the RS 485 interface.

Easiest installation

StecaGrid SEM can be installed in the switching cabinet right next to the ripple control receiver. The casing features a dimensioning typical for switching cabinets and can be mounted onto a top-hat rail. Direct power supply at 230 V. A mains adapter plug or an external direct current power supply are not required.

All connected StecaGrid inverters can be accessed via a USB interface on the StecaGrid SEM. Connection to a PC is possible via a standard USB cable. The interface is on the front side of the casing – the cover does not need to be removed in the switching cabinet.



Product features

- Wall-mounting with top-hat rail
- Compact and robust product design
- Quiet and emission-free
- Maintenance-free
- Firmware update possible

Displays

- 4 LEDs show operating states

Interfaces

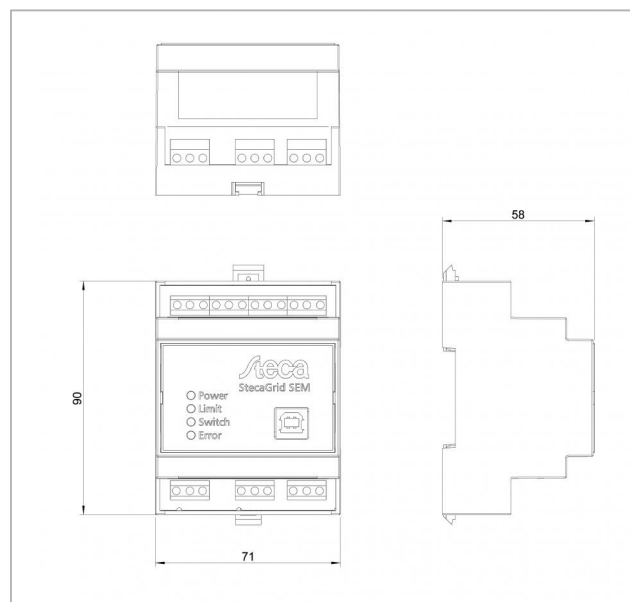
- Steca RS-485 bus

Options

- Can be connected to a data logger

Certificates

- Compliant with European Standards (CE)
- Made in Germany



StecaGrid SEM	
Characterisation of the operating performance	
Own consumption	< 3 W
Operating conditions	
Area of application	indoor rooms with or without air conditioning
Interface to inverter	Steca RS-485 bus with max. 1,000 m cable length and 10 bus participants at maximum
Ambient temperature	0 °C ... +60 °C
Storage temperature	-40 °C ... +85 °C
Relative humidity	0 % ... 95 %
Noise emission	silent
Fitting and construction	
Degree of protection	IP 20
Terminal (fine / single wire)	1.5 mm ² / 2.5 mm ²
Dimensions (X x Y x Z)	72 x 91 x 58 mm
Weight	300 g
Power supply	230 V / 50 Hz or 60 Hz
Communication interface	2 x RJ45; 4 x analogue for ripple control receiver, via screw-type terminals; USB, type B socket; S0 interface
Relay output	potential-free contact, 250 V AC / 16 A
Test certificate	see certificate download on the product page