

Genion One MC

Genion One MC, Home manager for EV charging with self-supply

Code: V40702. CONSULTAR DISPONIBILIDAD

- > Protocol: Modbus RTU
- > Clamp: 3 MC1-20-50/100/150A
- > Communications: RS-485 | Ethernet | Wi-Fi

Description

Energy flow manager for home installations with electric vehicle chargers and self-supply. Compatible with every single-phase eHome Solar models and with any solar inverter on the market. **Genion One** automatically manages the net hourly metering, feeding its energy into the grid when it is not generating enough and subsequently consuming this electricity.

It includes a web application to monitor and control the installation via Wi-Fi from any mobile device. Thanks to the installation wizard, you can automatically set up the number of electrical vehicle chargers and current transformers in the home.

Genion One has 3 modes of electricity flow management:

- $\circ\,$ Just Green: Charges the electric vehicle at no cost using only excess solar power.
- $\circ~$ Smart Mix: Charges intelligently based on the configurations defined for each time period.
- $\circ~$ Boost: Charges at 100% of the available power regardless of the programmed schedule.

Application

Genion One focuses on home use, making it the ideal complement for our eHome Solar. It is also easy to install and start up.

This product is specially designed for installations with self-supply systems and home charging points.

Circutor

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Specifications

Consumption 4.5 6.5 VA Frequency 47 63 Nz Nominal voltage 90 264 V- Mechanical characteristics 90 264 V- Size (mm) with x height x depth 105 x 89 x 49.5 (mm) Envelope Polycarbonate UL94 - Self-extinguishing V0 Fastening DIN rall Weight (kg) 0.15 Envelope Polycarbonate UL94 - Self-extinguishing V0 Fastening DIN rall Weight (kg) 0.15 Environmental characteristics Protection class Protection class IP 20 Relative humidity (without condensation) 595 % Storage temperature -25475 °C Working temperature -10450 °C Eurent measurement circuit -250 mA Installation category CAT III 300 V Nominal current (In) / 250 mA Phase current measurement 1% In A Minimum current measurement 1% In A Vatage measuring range 120 % lin Norial current (In)	Installation category	CAT III 300 V
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Standards UNE-EN 61010-1, UNE-EN 61010-2-30, UNE-EN 60068-2-1, UNE-EN 60068-2	Electrical safety, Maximum height (m)	2000
	Electrical safety, Installation category	CAT III 300 V
	Standards	UNE-EN 61010-1, UNE-EN 61010-2-30, UNE-EN 60068-2-1, UNE-EN 60068-2-2 UNE-EN 60068-2-78, UNE-EN IEC 61326-1





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Genion One, Home manager for charging vehicles

Code: V40702.

Electrical safety	
Insulation	Double-insulated electric shock protection class II (IEC 61010)
User interface	
LED	4
Memory	
Туре	PSRAM (8 MB) & SPI Flash (16 MB)
Measurement accuracy	
Active energy measurement (kWh)	Class 1
Serial communication	
Protocol	Modbus /RTU
Technology / Type	RS-485
Wireless communication	
Band	2,4 GHz
Technology / Type	Wi-FI

Genion One is compatible with the eHOME Solar range. It includes a web app for dynamically managing the photovoltaic generation and the charging point. It can also manage up to two eHOME Solar devices.

Circutor



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Code: V40702.

Dimensions

Connections

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