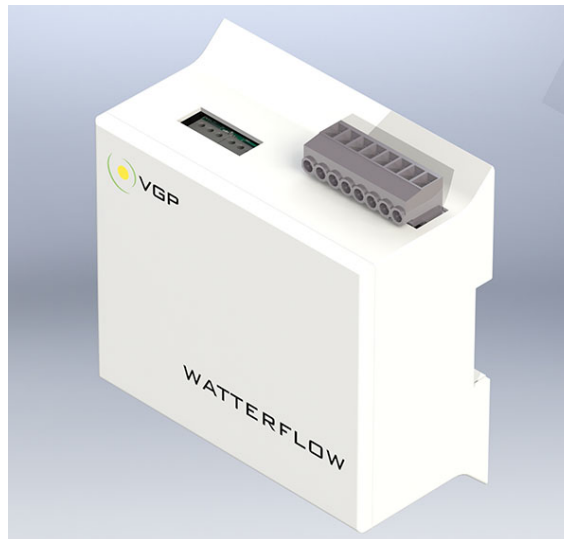# WATTERFLOW

VALLDOREIX GREENPOWER

Watterflow is a holistic energy monitoring and control system designed to optimize energy management of grid-connected and isolated renewable energy systems.

It is an open and flexible system, which can be adapted to many different energy management environments and applications.

Main characteristics

- Holistic optimization algorithms, which can control both electrical and thermal loads for energy optimization, maximizing instant renewable self-consumption and minimizing battery utilization or surpluses poured to the grid.

- Integrates with PV inverters (ABB, SMA, Fronius).

- Can be integrated with heat pumps and thermal storage systems.

- Can be integrated with contactors and frequency converters.

- Based on an industrial open hardware platform with a Linux operating system.

- RS232, RS485, CAN, Ethernet, Wi-Fi, Bluetooth connectivity.

- Supports MODBUS and CANOpen.

Functions

- Maximizing self-consumption of renewable energy.

- Programmable load control.

- Energy storage and management through thermal and process storage.

- Active power limitation.

- Web based management interface.

- Zero injection functionality.

WATTERFLOW

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Specifications

Response time: 100 ms

Power supply: 5 V

Size: 93x64x40 mm

Weight: 120 gr

Temperature range: -40 C / +85 C

Drawings