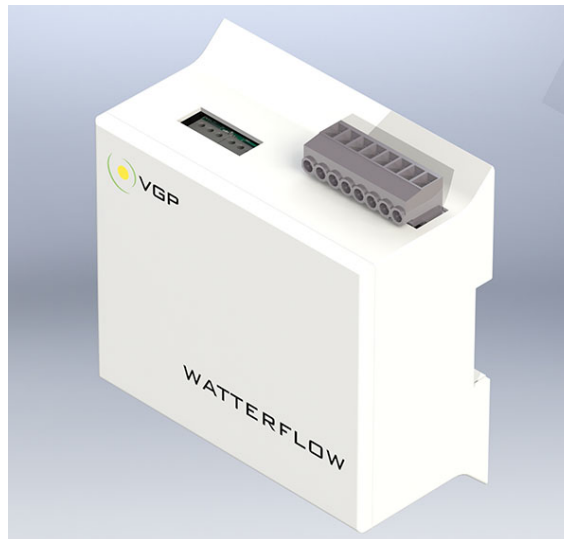


Watterflow is a holistic energy monitoring and control system designed to optimize energy management of grid-connected and isolated renewable energy systems.

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 consumption and minimizing battery utilization.
- Integrates with PV inverters (PowerOne, SMA, Fronius)
- Can be integrated with heat pumps and thermal storage systems.
- 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

Specifications

Response time:	100 ms
Power supply:	5 V
Size:	93x64x40 mm
Weight:	120 gr
Temperature range:	-40 C / +85 C