30 YEARS 1989 – 2019

Optimize your PV usage the smart way

Making the best of in-house power

Heat pump

IR Panels
Electric Surface heating

Ventilation &
Air conditioning

Switchable
consumers

Example #1: maximum flexibility

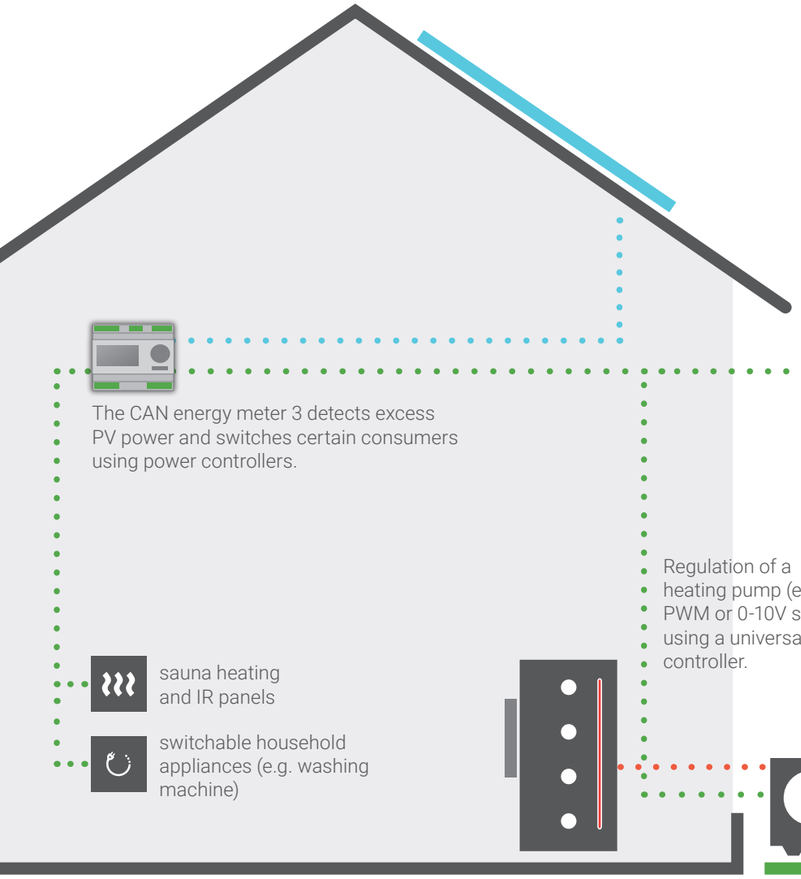
Integration of several consumers

An all-in-one solution for centralized energy management

The higher the amount of switchable consumers in a building, the more one's own consumption can be influenced. Among the most efficient ways for this is the charging of a buffer cylinder via heat pump request.

This way, seasons with more sunlight are spent producing DHW using inhouse power to support heating during intermediate seasons.

Further consumers like electric surface heating, IR panels or sauna ovens can also be regulated. If supported interfaces are present, even charging stations or storage batteries can be tied in.



simplified visualisation to clearify the setup of a possible use case

Products

- Universal controller (UVR16x2, UVR610, RSM610)
- Energy meter CAN-EZ3
- Power controller LST2x2D-DL or LST3x13-DL
- Sensory equipment as required

Example #2: simple and affordable

PLUG & PLAY

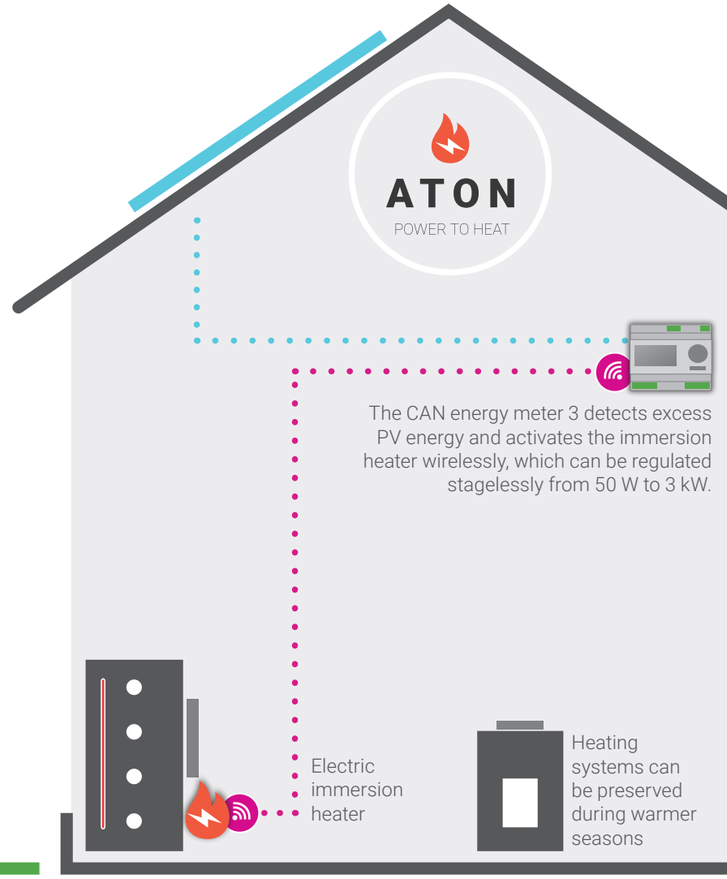
DHW preparation using PV

The simplest and most affordable **plug & play solution: "ATON"**

ATON is a plug & play solution for **usage of excess PV power - without additional wiring**. Connected via the **x2 wireless module**, the energy meter transmits the amount of power to be used to the immersion heater.

Advantages

- very quick installation thanks to the new x2 wireless technology and preset programming
- freely programmable for any individual case (**integration of further consumers**)
- energy meter and immersion heater ship readily paired
- **Remote access, data logging and visualisation** using C.M.I. (optional)



simplified visualisation to clearify the setup of a possible use case

SMART METER FIT

Solutions conventionally available on the market use phase-angle control. Smart meters detect the momentary load and this **costs the customer money**.

The intelligent ATON immersion heater has a sinusoiadl power input, which avoids drawing expensive and unnecessary power from the grid.

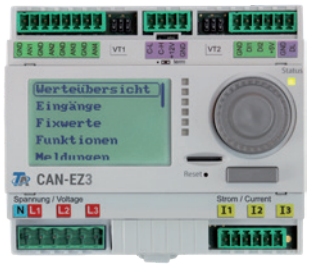
Products

- ATON (consisting of the electric immersion heater EHS-R and energy meter CAN-EZ3A)
- **Prices and details for all products can be found at www.ta.co.at and in our catalogue of 2019**

UVR16x2

Freely programmable universal controller

The UVR16x2 device provides numerous control options for heating and building management through more than 40 different function modules that can be combined as required . Linking up to 128 functions leaves the programmer with virtually no limits.



CAN-EZ3

CAN energy meter 3

The new can energy meter 3 detects electric and thermal flows of energy using external clip-on sensors. Communication with regulation devices and extension modules is made possible by DL-Bus and CAN-Bus. The x2 wireless module can regulate the immersion heater "EHS-R" stagelessly.

EHS-R

Immersion heater - 3000 W variable control

ATON consists of the EHS-R and the CAN-EZ3A, both of which ship readily paired and with a default programming installed. The energy meter transmits the amount of power to be consumed to the EHS-R wirelessly, which can regulate its performance stagelessly from 50W to 3kW. The immersion heater can also be used without an energy meter, regulated by a controller such as the UVR16x2 using PWM (0-100%).

LST2x2D-DL / LST3x13-DL

Power controller

IR panels, ventilation, heating elements or sauna stoves can be switched using power controllers, depending on power demand (2x 400W dimmable or 3x 3000W). Power can be regulated using a controller or the CAN-EZ3.

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