



# ATON

POWER TO HEAT

## Make effective use of surplus PV power

ATON is a plug & play solution for **using surplus PV energy – without additional wiring**. It consists of an energy meter and an immersion heater, which can be variably controlled from 50 W to 3 kW, for installation in a buffer cylinder.

Through a **wireless connection**, the energy meter (x2-tech) specifies the output the immersion heater can consume. The immersion heater sends all measurements (high limit safety cut-out, internal temperature and the values of the two external sensors) back to the energy meter.

### Benefits

- » Minimal installation effort thanks to new x2 wireless technology and factory program
- » Freely programmable for individual requirements
- » Energy meter and immersion heater are connected ex works
- » Up to 12 immersion heaters per energy meter
- » Wireless range ~1 km free space / 2 reinforced concrete ceilings or walls

**PLUG & PLAY**

**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**.

### Possibilities

- » Optimisation of on-site consumption rate
- » Central heating backup
- » Domestic hot water heating outside the heating season
- » Limited use with cylinders for drinking water (refer to manual)
- » DL bus for controlling power controllers (new, see page 39) for enhanced energy management
- » Remote access, datalogging and visualisation via C.M.I.

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

**ATON** **SMART METER FIT**

### Optimise on-site consumption of PV energy

**Set comprising EHS-R immersion heater (page 44) and CAN-EZ3A energy meter.** The devices are connected wirelessly. The energy meter comes with electrical output measuring functions, CAN bus, DL bus and wireless functionality.

### Energy meter interfaces

- » DL bus, CAN bus
- » Micro SD card
- » wireless (not compatible with wireless system on page 29)



ATON:  
CAN-EZ3A (r.)  
EHS-R (bottom)

ATON

| Art. no. | Price in Euro | Price group |
|----------|---------------|-------------|
| 01/ATON  | 487.00        | PG2         |