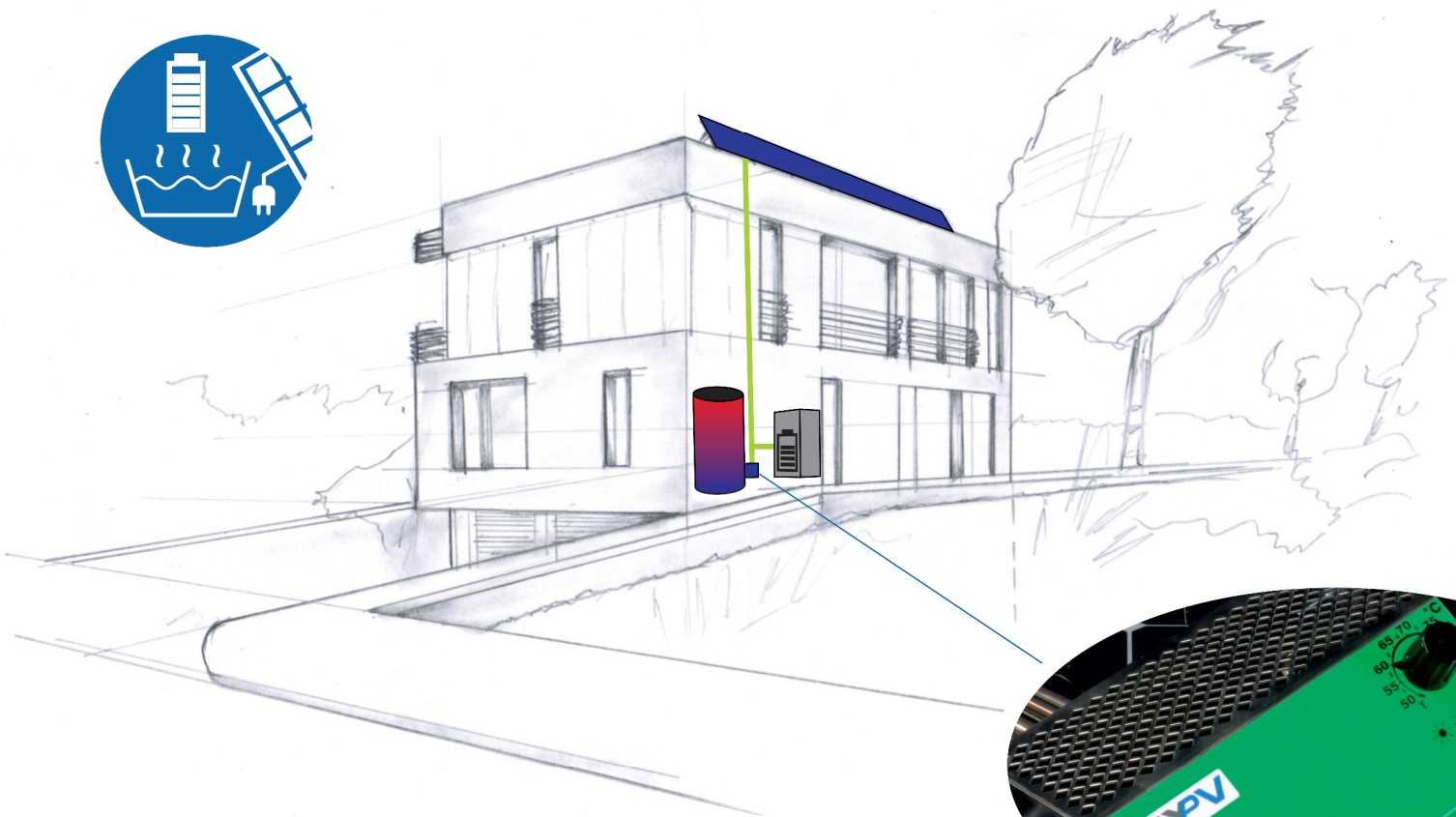


## AC ELWA-E®

### Hybrid-Storage Solution for PV Excess Energy



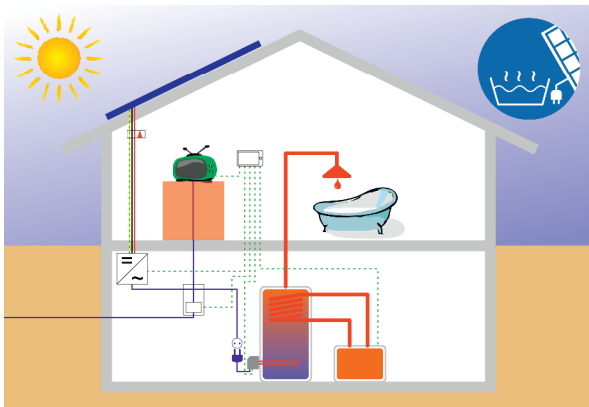
- Uses PV excessive energy for hot water and heating
- Perfect in combination with battery storage and smart homes
- Also for commercial building applications
- Linear power control for maximum energy utilization
- No thyristors, complies with German/Austrian standards
- Automatic hot water boost function

**Made in  
Austria**

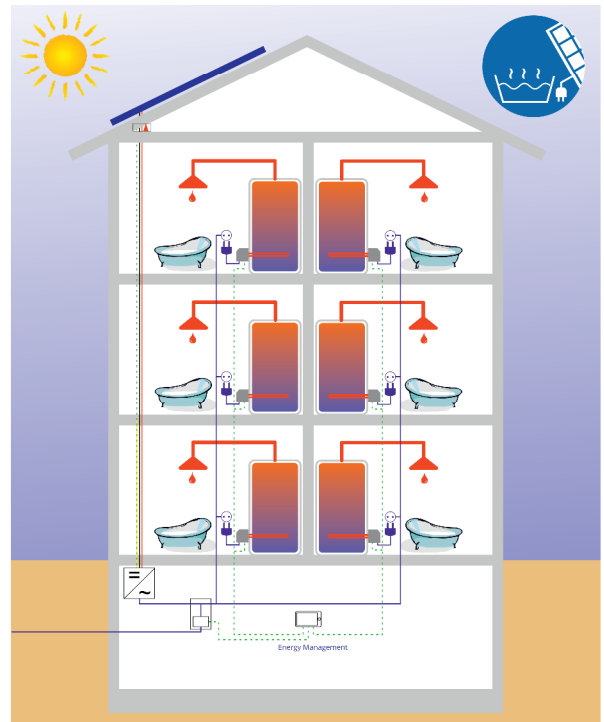
## One Device - many Solutions

AC ELWA-E communicates over Ethernet with battery storage systems or smart-home controllers. It minimizes feed-in energy of photovoltaic systems by using this energy for hot water or room heating. Battery storage and electric appliances have priority. For commercial buildings, many AC ELWA-E's can be controlled simultaneously with intelligent control systems. This allows optimum energy distribution.

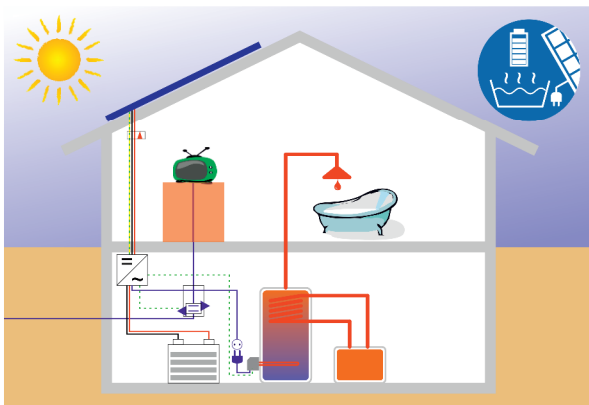
with smart homes



in commercial buildings



with storage batteries

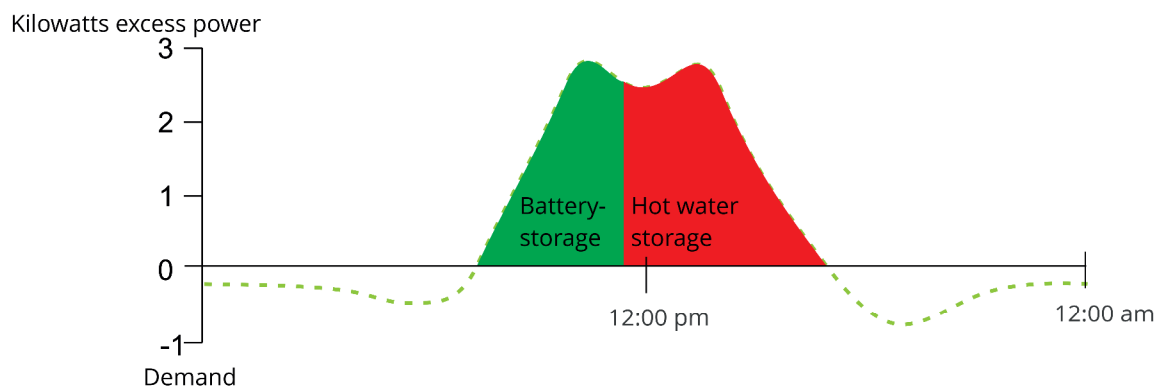


Decentralized hot water storage and production avoids distribution ("ring main") losses and fulfills hygienic standards. Decentralized AC ELWA-E's provide high solar coverage yields.

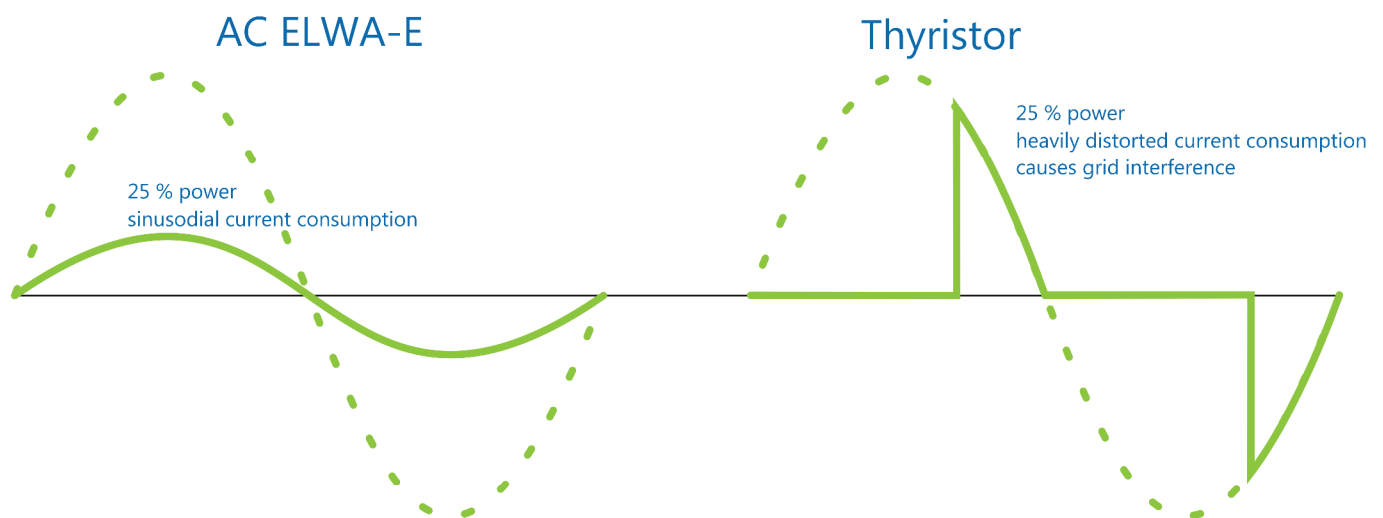
For compatible battery storage and smart home systems see [www.my-pv.com](http://www.my-pv.com).

## Perfect PV-utilization with battery and hot water storage

Charging of the battery storage has priority. Once the battery is fully charged, AC ELWA-E starts using excessive energy for hot water heating. This avoids energy feed-in as much as possible. Hot water is by far the least expensive storage per kWh. It is a perfect add-on to battery storage systems.



The AC ELWA-E's linear power control works, similar to a grid connected inverter, with high-frequency switching power electronics. Grid interference is minimized.



## ■ AC ELWA-E

	Technical data
■ Power	0-100 % linear, HF-switch mode
■ Heating power	0-3,000 W
■ Mains supply	Single phase, grounded plug, 230 V, 50 Hz
■ Power cord	3 m
■ Standby-consumption	<1.5 W
■ Efficiency	>99 % at nominal power
■ Cos Phi	0.999 at nominal power
■ Display	3 LED's
■ Communication	RJ45 Ethernet
■ Operating temperature range	10 °C to 40 °C
■ Protection Class	IP 21
■ Dimensions (WxHxD)	130 x 180 x 600 mm with heating rod
■ Weight	2 kg
■ Heating rod length	45 cm
■ Heating rod thread dimension	6/4 inch
■ Certification	CE, TOR D1, TAEV, TAB
■ Warranty	2 years
■ Maximum number of units in IP network	Network dependent
■ Supported protocols	http, modbus TCP
■ Compatible storage/smart home controllers	see <a href="http://www.my-pv.com">www.my-pv.com</a>

Subject to change without notice.

