

AC ELWA-F®

The Hybrid-Storage Solution
for AC coupled off-grid Photovoltaic Systems

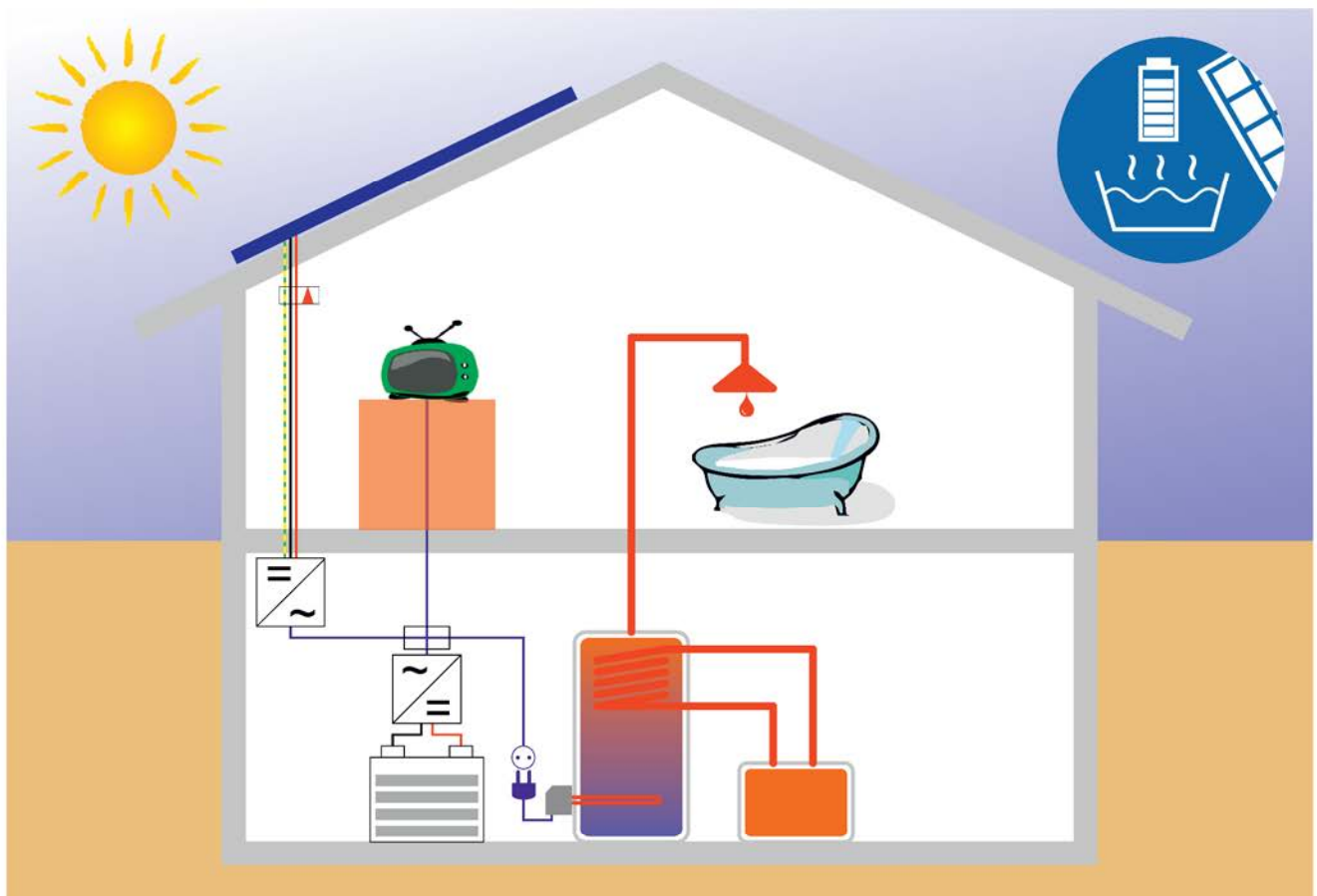


- Uses PV excess energy for hot water and room heating
- Perfect in combination with SMA Sunny Island
- No communication cables required
- Linear power control for optimum energy utilization
- Sinusoidal current consumption
- Battery protection provided by battery inverter

**Made in
Austria**

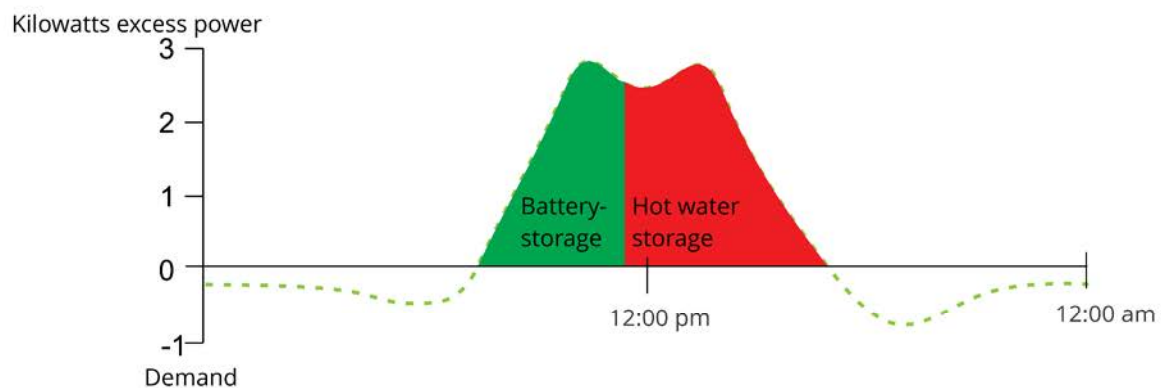
The awesome simple solution for excess power utilization in AC coupled off-grid photovoltaic systems

If used with complying battery inverters like SMA Sunny Island, the AC ELWA-F detects over the AC line if excessive power is available. It automatically uses this energy for hot water storage. Otherwise there would be no utilization at all once the battery is fully charged. This is real „plug-and-play“: Just plug into the power line, done! There is no need of any additional communication wiring.

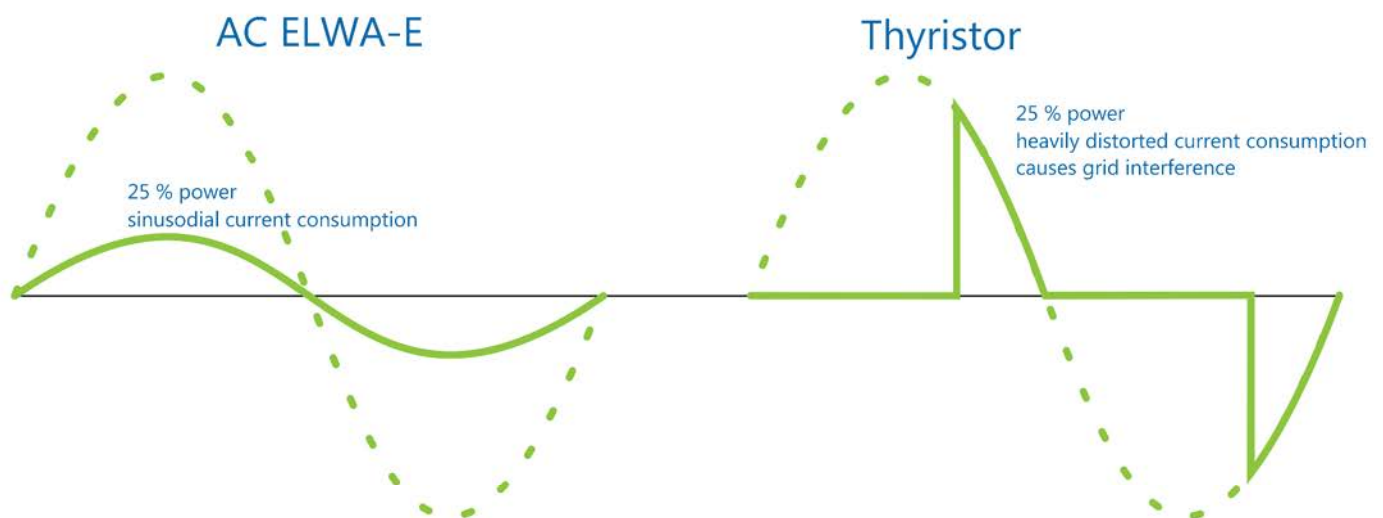


Perfect PV-utilization with battery and hot water storage

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-F

Technical data	
■ Power	0-100 % linear, HF-switch mode
■ Heating Power	0-3,000 W
■ Mains connection	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
■ Control	frequency based
■ Operating temperature range	0 °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

Subject to change without notice.

