MYPV

Hot Water from Photovoltaics

AC ELWA-F®

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

- Uses PV excess energy for hot water and room heating
- No communication cables required
- Linear power control for optimum energy utilization
- Sinusodial current consumption
- Battery protection provided by battery inverter

Made in Austria

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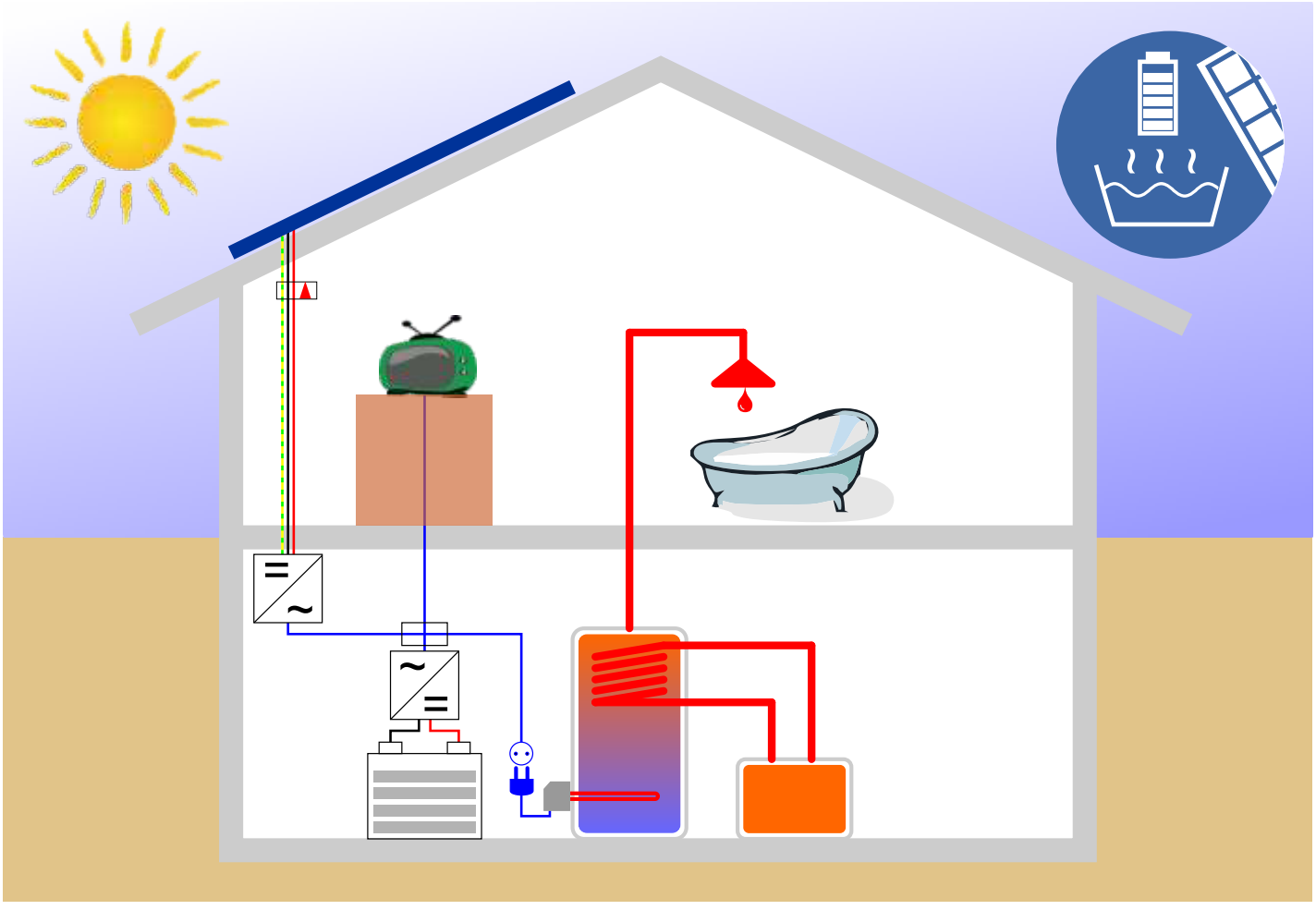
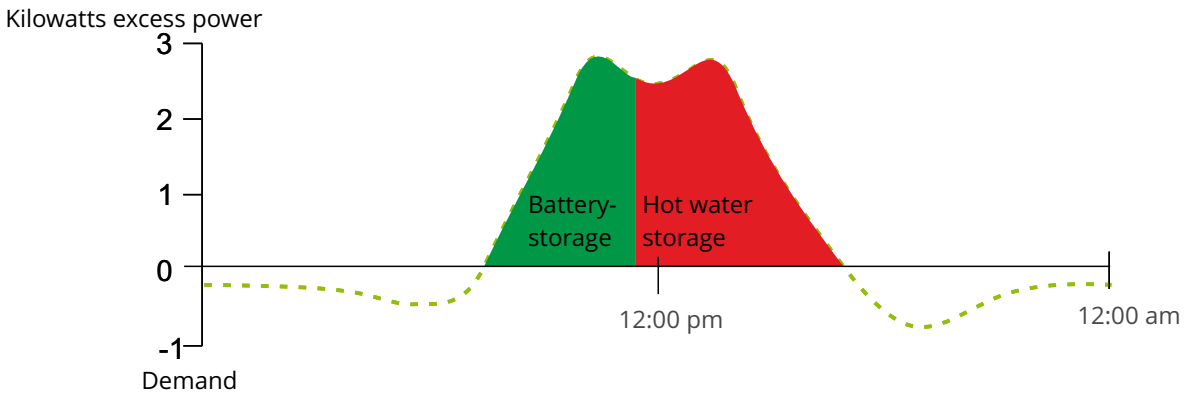
The awesome simple solution for excess power utilization in AC coupled off-grid photovoltaic systems

If used with complying battery inverters, 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.

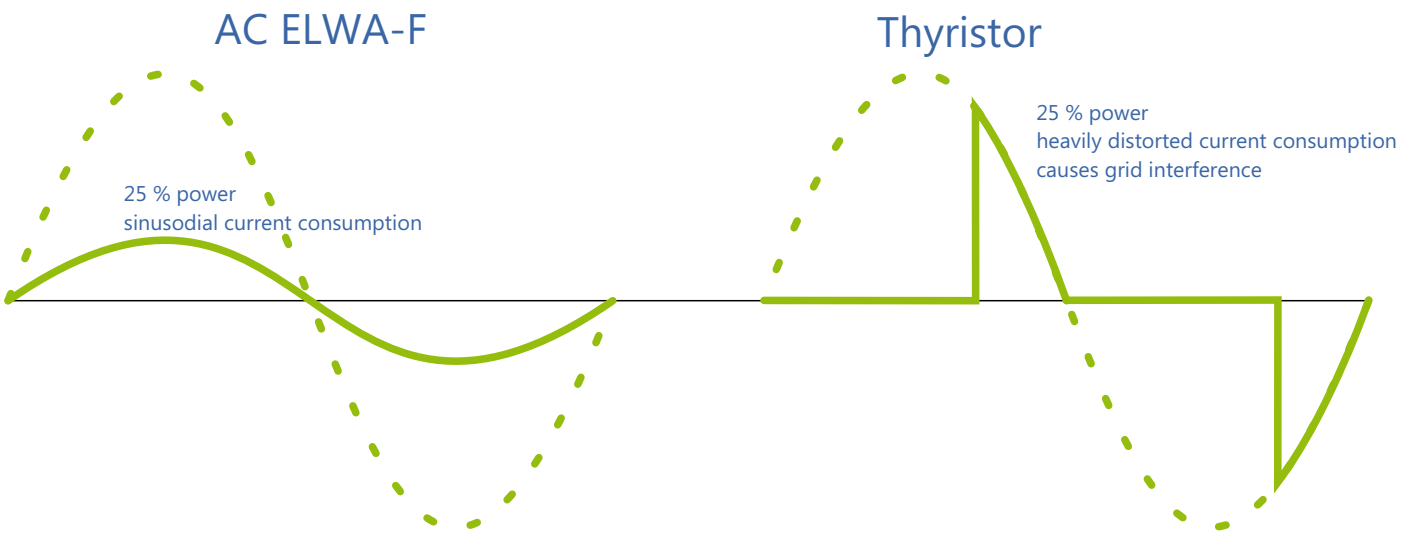


Perfect PV-utilization with battery and hot water storage

Charging of the battery storage has priority. Once the battery is fully charged, AC ELWA-F starts using excess energy for hot water heating. No energy is lost.
Hot water is by far the least expensive storage per kWh. It is a perfect add-on to battery storage systems.



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



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	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.

my-PV GmbH
Teichstrasse 43
A-4523 Neuzeug, Austria
T +43 7259 3932 8
E office@my-pv.com
H www.my-pv.com