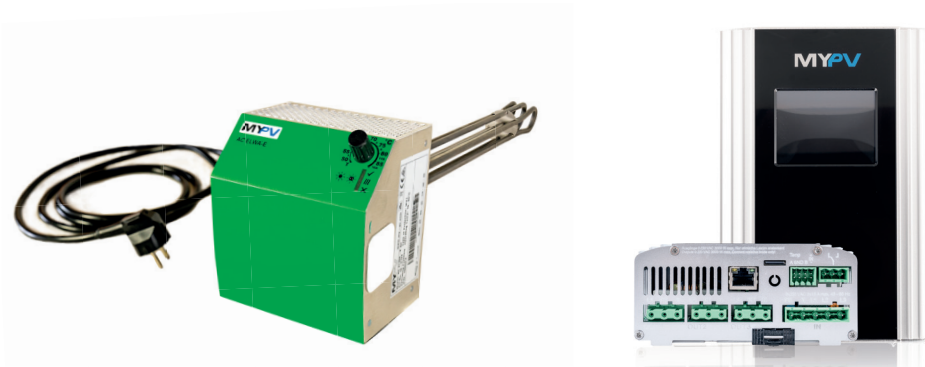


PV to Heat

Intelligentes Heizen mit PV-Strom



With the AC ELWA-E* and AC-THOR** products, Solar-Log GmbH has found a dependable cooperation partner with the my-PV company for heating rods and intelligent loads. my-PV's expertise in heating with solar power perfectly complements Solar-Log's expertise in smart energy.

By combining the Solar-Log™ and the AC ELWA-E from my-PV, excess PV power can be used to heat domestic hot water or combined storage tanks. The power is linearly controlled by the Solar-Log Base from 0 to 3,000 W depending on the surplus. This combination increases the degree of self-sufficiency, especially in summer and during transitional periods. During this time, fossil fuels can often be completely dispensed with for conventional hot water heating. The minimum temperature of the hot water tank can be defined by configuring the unit. This means that hot water can always be provided regardless of the excess PV power available. The AC ELWA-E can be conveniently configured via the web interface for the Solar-Log Base.

The AC-THOR is a 0-3 kW infinitely variable control device for hot water, electric heat sources and optional heating.

For example, in combination with the Solar-Log™, the AC-THOR controls the AC ELWA-E heating rod in accordance with the PV energy and hot water demand. Missing residual energy can be drawn from the public grid. In addition, the AC-THOR can be easily configured at any time with little effort thanks to its touch display.

When the set temperature is reached, the PV power can also be used for other loads.

Technical Data

AC ELWA-E

Compatible with the Solar-Log™ device series	Solar-Log Base & Solar-Log 300, 1200, 1900 and 2000
Ambient temperature	10°C to 40°C
Heating output	0 – 3,000 W at 230 VAC, linear control HF-clocked, sinusoidal current consumption
Minimum/maximum temperature	Configurable
Protection class	IP21
Environment	For indoor use
Operating altitude	Maximum 2,000 m (m above sea level)
Mains connection	Single-phase, grounded plug 230 V, 50 Hz
Mains frequency	50 Hz
Connection cable	2.7 m
Standby power consumption	< 1.5 W
Efficiency	> 99 % at nominal power
Cos Phi	0,999 at nominal power
Mains-side THDi	At 50 % power < 3 %; at 100 % power < 3 %
Protection class	1
Circuit protection	Adjustable circuit protection (13 A / 16 A) The AC ELWA-E can produce up to 3,000 W with the factory setting (16 A). For 13 A fused circuits, the power can be limited to 2,500 W.
Operating pressure	Max. 10 bar (1 MPa)
Connection/interface	Ethernet
Cartridge heater connection	1 ½ Zoll
Width across flats	AF 60 mm. The tightening torque must not exceed 50 Nm.
Operating status display	3 LEDs
Dimensions (WxHxD)	130 x 180 x 600 mm with heating rod
Heating rod length	47 cm
Weight	Approx. 2 kg incl. cable, without packaging
Directives and standards fulfilled	CE standards (EN 55014-1, EN 55014-2, EN 60335-2-21, EN 60730-2-9, EN 61000-3-2, EN 61000-3-3, EN 61000-6-3, EN 62233), TOR D1 (AT), TAEV (AT), TAB(DE)
Warranty	2 years
Article number	257196

