

## Solar-Log™ and EGO Smart Heater

Intelligent Heating with PV Power

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Thanks to the combination of the Solar-Log™ and the EGO Smart Heater, surplus PV power can be used to heat water which can also be used later when stored in combination storage tanks. The heating elements are activated to operate at different levels from 0 to 3500 watts depending on the amount of surplus power. This combination offers savings potential and increases the degree of self-sufficiency, especially in the summer and in transitional periods when there is a high amount of surplus PV power. Thanks to this stored surplus power, no fossil fuels are needed by the water heater boiler. Soon, the minimal boiler temperature can be defined with the device configuration. This will ensure that there is enough warm water available regardless of the amount of surplus PV power. The EGO Smart Heater can be conveniently configured from the Solar-Log™ web interface.

### Even more advantages for plant owners:

- Easy and quick installation for new and existing plants
- Universally applicable in hot water storage tanks with and without corrosion protection thanks to its insulated construction
- Frost protection function: when water temperature drops below 4°C, the EGO Smart Heater starts to heat the water at 500 watts to prevent the boiler from freezing (breakdown of the primary heater), regardless of the PV yield and settings
- Integrated power (no external electric contactor required)
- Once the target water temperature has been achieved, the PV power can be used by other appliances
- Up to a total of six EGO Smart Heater Ethernet devices can operate together

## Technical Data

## EGO Smart Heater

## EGO Smart Heater Ethernet

Compatible with Solar-Log™ series:	Solar-Log <sup>200, 500, 1000</sup> and Solar-Log 300, 1200 and 2000 with firmware version 3.2.0 or higher (a free RS485 connection is also required)	
Ambient temperature	0°C to +40°C	
Heating capacity	Adjustable operating level from 0 - 3500 watts in 500 watt steps	
Heating temperature	Adjustable to a max. of 80° C	
Minimal and Maximum Temperature	Configurable	
Power frequency	50 Hz	
Protection level	IP54 DIN EN 60529	
Environmental type	For indoor use only	
Maximum operating altitude	2,000 meters (VDE regulations) above sea level	
Input voltage	1N/PE AC 230 V	
Protection class	I	
Overvoltage category	II	
Power supply	230 V / 16 A	
Switching voltage	Max. 265 V AC	
Power connection	Separate power cables with current ratings of more than 16A are required for the screw-in heating elements.	
Connection	Via its own RS485 interface on the Solar-Log™	Ethernet
Mounting threads	1.5 inch B / 38.1 mm	
Width across flats	60 mm	
Material / material quality	Stainless steel / 1.4301	
Unheated length	95 mm	
Immersion depth	450 mm	
Safety standards	DIN EN 60335-1 - Safety of Household and Similar Electrical Appliances DIN EN 60730-1/9 - Thermostats	
Protective temperature limit	Device installed internally (according to DIN EN 60730-1)	
Warranty	2 years	
Article number	255840	256014

