SMART HEATER

The intelligent smart heater





Intelligent water heating with locally produced power – plug & play energy optimization

SCOPE OF SMART HEATER:

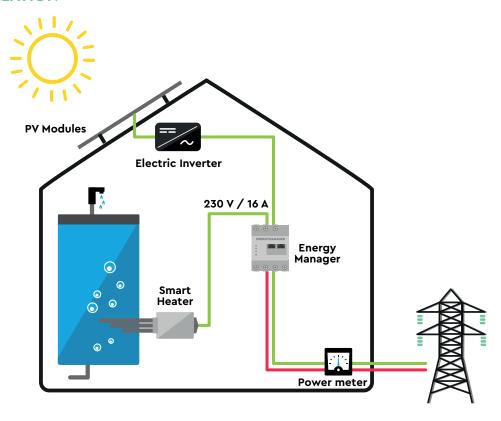
- ▶ Working power: 0 to 3500 W, adjustable in steps of 500 W according to desired feed-in rates
- ▶ 10%-improved efficiency compared to similar installations
- ▶ 3 integrated heating circuits (500 W, 1000 W, 2000 W)
- ► Fully integrated electronics (no external contactor necessary)
- ► Easy installation via plug & play
- No additional hardware or software needed
- ▶ Manual setting of the desired heating temperature
- ▶ Integrated safety shut down (temperature regulated)
- ▶ Development and manufacturing: 100 % made in Germany

TECHNICAL SPECIFICATION SMART HEATER:

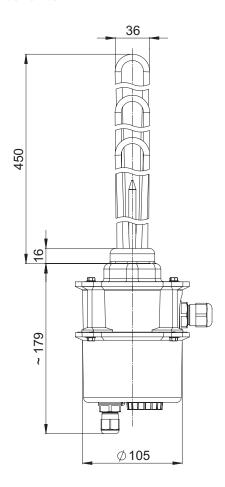
Ambient Conditions	Temperature: 0 +40°C Height above sea level: max. 3.000 m		Mechanical Specifications	Protection Housing: I Connection
Standards and Certifications	Product standards	DIN VDE 0700-253 DIN EN 60730 1+9		Wrench s Length (n Max imme
	Protection class:	DIN EN 62233	Electrical Specifications	Power cor - During st
	Overvoltage		Specifications	- During o
	category: Certificates:	II CE, VDE		Power sup
Operation and Communication	Interfaces: RS485		Product Model	Smart Hea
	Monitoring: display of actual working power consumption, communication		 Installation	storage w Install hori
	Heating temp. configuration: up to 80°C, protection against freezing		Ensur comp tion c	Ensure that
	Safety shut down: safety temperature limiter (STL)			tion of the may not b
Material	Heater body: Nickel-Iron-Chromium alloy, INCOLOY 825, 2.4858			For detaile Installation
	Screw head: stainless steel 1.4404			

Mechanical Specifications	Protection rating: IP54 nach DIN EN 60529 Housing: PA6 GF30 Connection thread: G 1 ½ " B Wrench size: 60 mm Length (no heating): 95 mm Max immersion depth: 450 mm	
Electrical Specifications	Power consumption - During standby: < 0,5 W - During operation: 0,5 3,5 kW in 500-watt-steps Power supply: 230 V / 16 A	
Product Model	Smart Heater (isolated) for service water storage with sacrificial anodes	
Installation	Install horizontally to the storage tank. Ensure that tubular heating elements are completely covered with liquid. Circulation of the liquid in the heating elements may not be interrupted. For detailed information see Smart Heater Installation Guide.	

HOUSE INSTALLATION



DIMENSIONS



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