

# ACTHOR 9s

Domestic hot water and space heating goes electric.  
Ingeniously easy and economical.



With the Photovoltaic-Power-Manager AC•THOR 9s for hot water and space heating you can achieve

- Linear power control 0–9 kW
- 3 controllable outputs
- For 3-phase immersion heaters with common neutral conductor
- Easiest stratification charging 3 x 3 kW
- Also combinable with heat pumps
- Two-zone space heating possible
- Minimum spatial requirements
- A system compatible with various inverter manufacturers, battery systems and smart homes
- Up to 85% PV self-consumption without battery storage



# AC•THOR 9s: A HEATING SYSTEM THAT FITS IN YOUR HAND

**Unbelievable but true: The AC•THOR 9s enables the control of the complete hot water heating and space heating in one compact device. With up to 9 kW of power, low-energy houses up to 200 m<sup>2</sup> can now be powered from photovoltaics.**

## What is the AC•THOR 9s?

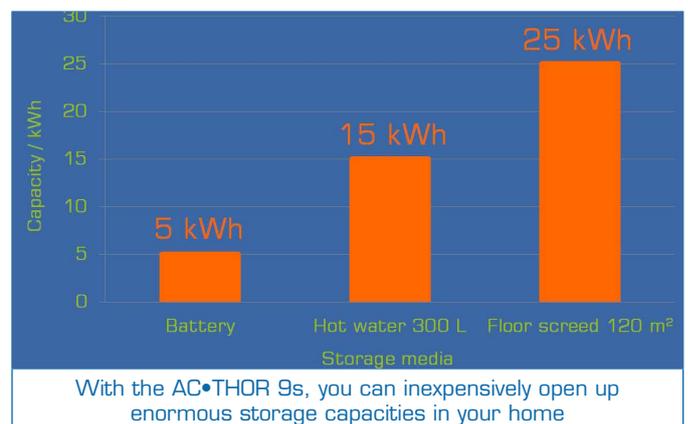
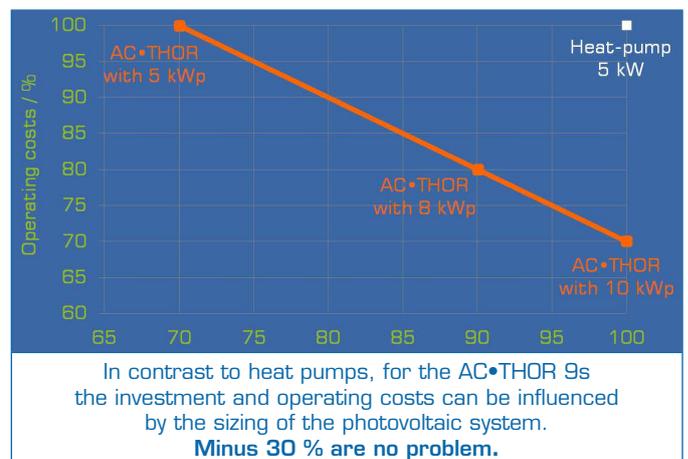
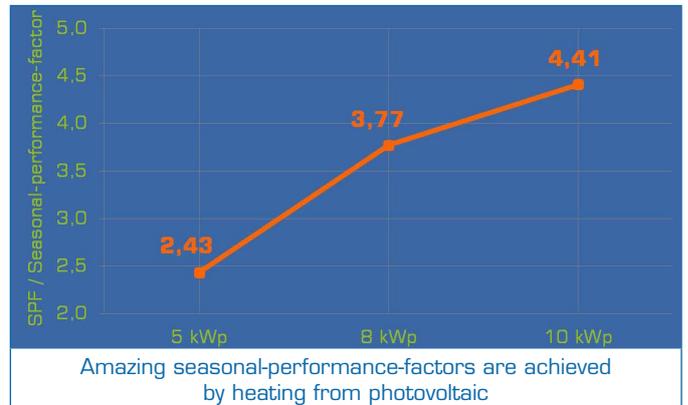
The AC•THOR 9s is a photovoltaic power manager for hot water and space heating and can control linearly up to 9 kW and up to three heat sources depending on available PV power and heat demand. It communicates via Ethernet with inverters, battery systems and smart home controllers to get the information how much photovoltaic energy is available for use. Therefore less energy is required to be purchased from the public grid generating savings to your running costs, meaning a conventional heating system is no longer required.

## Better than conventional heat sources

For PV system outputs of 5 to 10 kWp, the AC•THOR 9s achieves seasonal-performance-factors (based on grid purchases) that are significantly above typical values. Thus electric space heating becomes ecological and economical for the first time.

## Cables instead of pipes

The AC•THOR 9s is the innovative advancement in photovoltaics and the new way for domestic heating systems. Cables instead of pipes, electricity instead of hydraulic systems, easy instead of complicated, self-generated energy instead of fuel costs.



## Your advantages through excellent technology:

- **Easy installation:** Wall bracket and plug connections on the device.
- **No opening of the device required for installation.**
- **User-friendly** via 2.83" TFT Colour Touch Screen, Setup without additional equipment.
- **Extraordinary compact:** only 1.5 kg
- **Appealing design**
- **Linear power control** for optimal energy utilization, pure alternating current output.



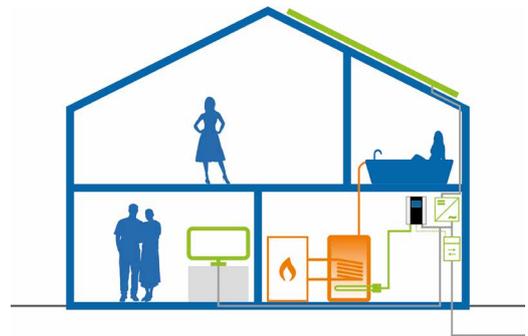
All connections pluggable



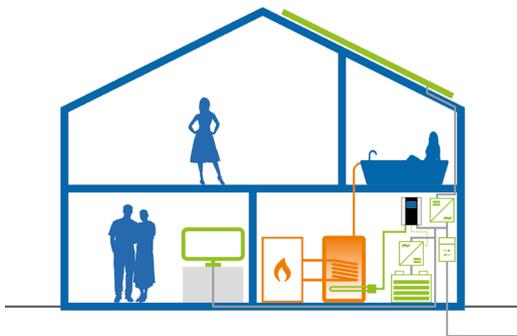
Impressive easy handling, compactness, design



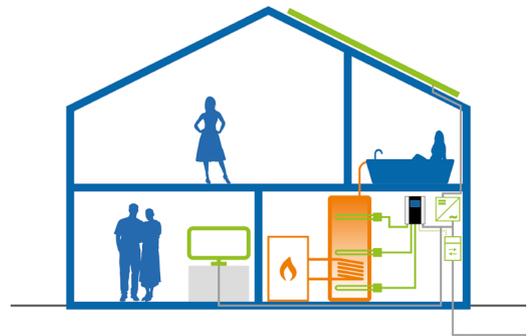
## UNIVERSAL APPLICATION DIVERSITY



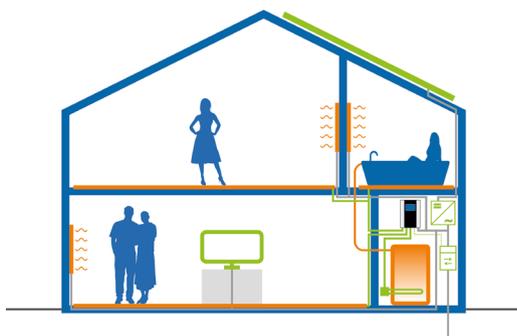
Photovoltaic water heating  
up to 9 kW



All variants can be combined with various  
battery storage systems.



Easiest stratification charging 3 x 3 kW.



Hot water and two-zone space heating  
with an ultra-compact device.



Your standard heat pump will be PV ready.

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## TECHNICAL SPECIFICATIONS

Supply voltage	3 × 230 V, 50 Hz
Linear power-control	0–3,000 W, three outputs, max. 9,000 W
Mains connection	3-phase with neutral conductor
Load connections	plug-in contacts
Fuse protection	3 × 16 A
Self-consumption	< 1.5 W
Efficiency	> 98 % at nominal power
Operating temperature range	5 °C to 40 °C
Storage temperature	–20 °C to 70 °C
Display	Color Touch Screen 2.83"
Weight	1.5 kg
Dimensions (L × H × D)	135 × 210 × 65 mm
Permissible humidity	0–99 % (not condensing)
Temperature sensor	my-PV temperature sensor (5 m)
Communication	Ethernet RJ45, RS485
Warranty	2 years
Compatible systems	see <a href="http://www.my-pv.com">www.my-pv.com</a>

*Subject to change.*