MYPV

Hot water and space heating from photovoltaics

AC·THOR 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

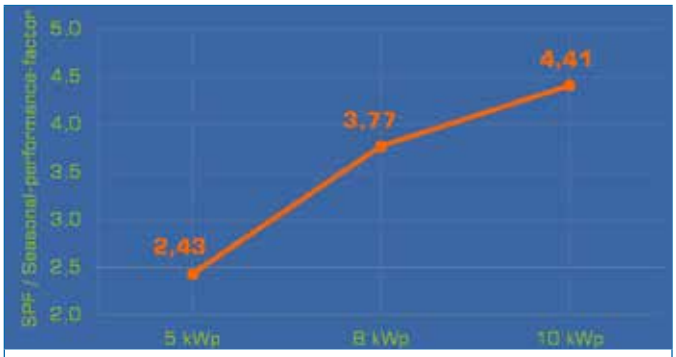
- Linear power control 0–9 kW
- 3 controllable outputs
- For 3-phase immersion heaters with common neutral conductor
- Easy loading of three zones 3 x 3 kW
- Also combinable with heat pumps
- Three-zone space heating possible
- Minimum spatial requirements
- A system compatible with various inverter 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 m² can now be powered from photovoltaics.

What is the AC•THOR 9s?

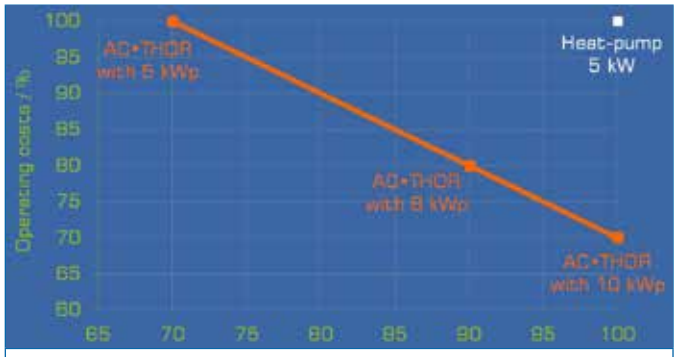
The AC•THOR 9s is a photovoltaic power manager for hot water and space heating and can control linearly up to 9 kW and up to three heat sources depending on available PV power and heat demand. It communicates via Ethernet with inverters, battery systems and smart home controllers to get the information 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.



Amazing seasonal-performance-factors are achieved by heating from photovoltaic

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.



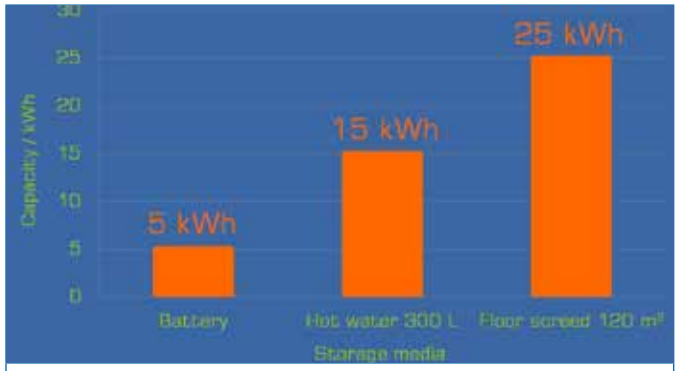
In contrast to heat pumps, for the AC•THOR 9s the investment and operating costs can be influenced by the sizing of the photovoltaic system.
Minus 30 % are no problem.

Cables instead of pipes

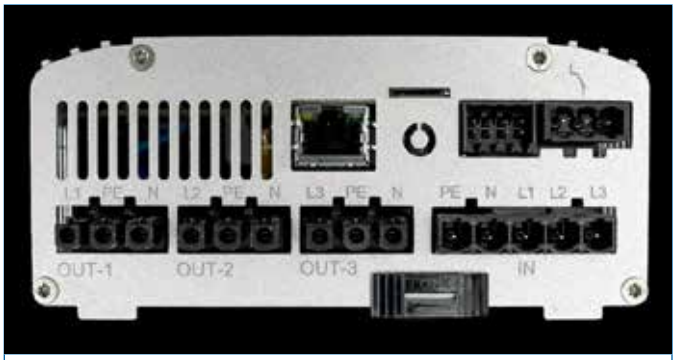
The AC•THOR 9s is the innovative advancement in photovoltaics and the new way for domestic heating systems. Cables instead of pipes, electricity instead of hydraulic systems, easy instead of complicated, self-generated energy instead of fuel costs.

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 1.3 kg
- **Appealing design**
- **Linear power control** for optimal energy utilization, pure alternating current output.



With the AC•THOR 9s, you can inexpensively open up enormous storage capacities in your home



All connections pluggable

Impressive easy handling, compactness, design

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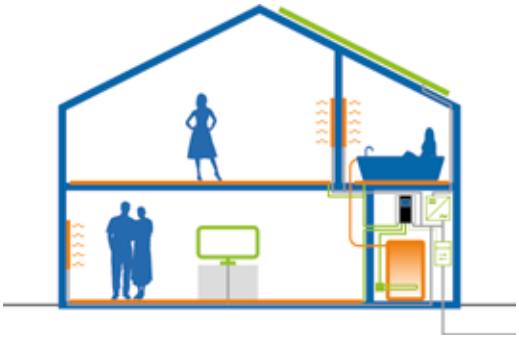
UNIVERSAL APPLICATION DIVERSITY

Photovoltaic **water heating**
up to 9 kW

All variants can be combined with various
battery storage systems.

Easy loading of three zones 3 x 3 kW.



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

Your standard heat pump will be **PV ready.**

Schematics of these applications can be found at **www.my-pv.com**

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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
Power grid THDi	At 50 % power < 3 %; at 100 % power <3 %
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	1.3 kg
Dimensions (L × H × D)	135 × 195 × 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 www.my-pv.com

Subject to change.