

Power Meter

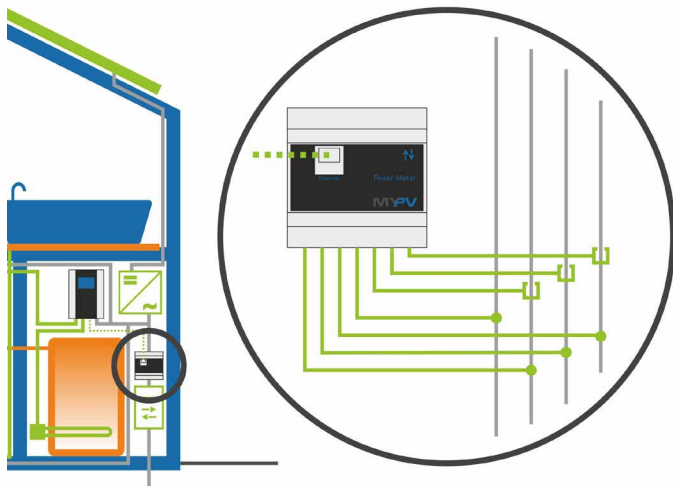
The guardian of the power flows of your PV system: everything goes smoothly.

3-phase power meter for the Photovoltaic-Power-Manager AC•THOR or AC ELWA-E

- Clamp-on current transducers for easiest measurement and high installation comfort
- Also for high power in commercial applications
- Communication via Ethernet



Power Meter



Power Meter and AC•THOR maximize self-consumption of your PV system in the easiest way.

The Power Meter detects the energy flows of the PV system. Via Ethernet it transmits excess energy data to the AC•THOR PV-Power-Manager or AC ELWA-E. As a result, only energy that is currently available is used to generate heat. Power feed-in is avoided. **PV self-consumption is maximized, the public power grid is relieved.** The power meter is mounted in the distribution cabinet directly after the utility meter and detects the power flow via three external clamp-on current transducers.

TECHNICAL SPECIFICATIONS POWER METER

Measurement range	0–60 A (<i>higher currents with other clam-on sensors possible</i>) 230 V AC ($\pm 10\%$)
Interface	Ethernet (encrypted)
Dimensions (<i>L × H × D</i>)	71 × 90 × 58 mm
Type of protection	IP 20
Connections	Screw terminals
Max. terminal cross section	2,5 mm ² fine-wire / 4 mm ² solid-wire
Terminal tightening torque	0,6 Nm
Terminal stripping length	6 mm
Weight	ca. 175 g
Mounting	35 mm DIN rail
Ambient temperature	0 ... 50 °C
Storage and transport	-10 ... 70 °C (<i>avoid condensation</i>)
Power supply	Via L1

CLAMP-ON CURRENT TRANSDUCERS

Max. cable diameter	max. 10 ± 0,3 mm
Dimensions (<i>L × H × D</i>)	39 × 26 × 23 mm
Weight	3 × 60 g

Subject to change.

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