

Energy meter

Bidirectional counter with display



Application

Can be used at the node & to read out the PV yield

Bidirectional counter for measuring, transmitting and displaying electrical parameters.

The energy meter 004-0356 is suitable for the direct measurement of the three outer conductors up to max. 100A and a cross section of max. 25mm².

Larger currents or larger wire cross sections can be measured with the help of current transformers and the energy meter 004-0364.

These bidirectional meters measure the electricity consumption and the electricity output.

The energy meters can be optimally used to determine and evaluate the self-consumption of self-generated electricity.

On the display, values such as voltage, energy, active and reactive power and the total current, can be shown.

Certification: CE / IEC62052-11, IEC62053-21

Connection

The measured values can be read out via an RS 485 interface and Modbus protocol.

These measured values enable the **ASKOSET+** to control and regulate the **ASKOHEAT+** devices .

Both energy meters offer accuracy class 1

Types

004-0356

direct method of measurement
up to max. 100A / 25mm²

004-0364

Measurement with a current transformer
(Current transformers are included with delivery)

Technical data

	3-phase direct measurement	3-phasige measurement with current transformers
Operating voltage:	3x230V /400V	3x230V /400V
Max. current per phase :	100A	1A
Operating frequency AC:	50-60Hz	50-60Hz
Own consumption per phase:	1W / 8VA	1W / 8VA
Operating temperature:	-20 C up to +65 C	-20 C up to +65 C
puncture strength:	AC 4kV for 1 minute / 6kV impulse 1.2/50µsec	AC 4kV for 1 minute / 6kV impulse 1.2/50µsec
Max. Conductor cross section:	25mm ²	25mm ²
Accuracy class:	Class 1	Class 1