

AEco.1



Smart meter

EN



Description

The AEconversion AEco.1 measures the energy generated by the solar system. The measured data in the form of current reading and current intensity can be read out via the AESolar app.

The AEco.1 can be integrated into a smart home system via an MQTT protocol. For this purpose, it uses the built-in Wifi-communication.



Input data - AC

- Maximum power: 3.6 kW
- Maximum AC voltage: 264 V
- Maximum current: 16 A at 230 V
- Operating frequency: 50 Hz

Output data - AC

- AC rated power: 0 to 3.6 kW
- Rated current: 16 A at 230 V
- Maximum AC voltage: 264 V

Wireless data

- Wifi Standard: IEEE802.11n
- Frequency range: 2.4 GHz - 150 Mps
- Compatibility: Bluetooth v 4.2
- Transmitting power: +14 dBm

Technical data

- Operating temperature range: -25 °C ... +70 °C
- Nightly power consumption: 0.5W
- Max. Operating altitude above sea level: 2000 m
- Connector: RST16I3 (Wieland)
- Weight: approx. 300g
- Cooling: natural convection
- Housing material: plastic
- Housing protection class: IP65

Special features

- Communication options: WLAN
- Measurement accuracy: from 10 W +/- 0.5% deviation
Measurement accuracy between 94% and 97%
- Protection class: Class I

Protection functions

- EMV: EN 301 489-1, EN 301 489-17
- Wifi: EN 300 328-2.2.2
- Safety: IEC61010-1:2010, AMD1:2016, EN 61020-1:2010, A1:2019
- MPE: EN 62311
- OVC: II
- PD: 2

