

Home Energy Meter 8 technical specifications

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This page lists the technical specifications for [Home Energy Meter 8](https://aeotec.com/products/aeotec-smarthings-home-energy-meter-8/) (<https://aeotec.com/products/aeotec-smarthings-home-energy-meter-8/>) and forms part of the larger [Home Energy Meter 8 user guide](https://aeotec.freshdesk.com/a/solutions/articles/6000269083) (<https://aeotec.freshdesk.com/a/solutions/articles/6000269083>).

Name: Home Energy Meter 8

Model number: ZWA046

Product Dimensions: 85.5 x 54.3 x 38 mm

Package Dimentions: 185 x 170 x 65 mm

EAN (3P60A): 1220000017337

UPC (2P200A): 810667020132

Backmount Plate Dimensions: 24 x 24 mm

Wireless Type: Z-Wave

Z-Wave Plus Certified: Yes

Z-Wave Chipset: EFR32ZG23

Z-Wave SDK: 7.22.0

Z-Wave Role Type: Always On Slave [0x05]

Generic Product Type: GENERIC_TYPE_METER [0x31]

Specific Product Type: SPECIFIC_TYPE_NOT_USED [0x00]

Maximum Transmission Power (TX): 14 dBm

Series 800: Yes

SmartStart: Yes

S0 Security: Yes

S2 Security: Yes

Long Range: Yes (US only)

Meter Reports Supported:

- Kilowatt hour (kWh)

- Wattage (W)

- Voltage (V)

- Amperage / Current (A)

- Kilovolt-ampere Hour (kVah)

- Kilovolt-ampere Reactive (kVar)

- Kilovolt-ampere Reactive Hour (kVarh)

- Power Factor (PF)

Active Mode (Working Current): 30mA

Standby Mode: 5mA

Maximum Standby Power Consumption: 1.1 W

Voltage input:

- 1P (1 phase): 230VAC 50Hz

- 1P2 (1 phase / split-phase): 120VAC 60Hz

- 3P4 (3 phase with neutral): 230VAC 50Hz

Cable length: ~2m

Clamp size:

60A: 40 x 25 x 28 mm

100A: -

200A: 66 x 54 x 31 mm

Repeater: Yes

of buttons: 1

LED Color: [Blue](#)

Waterproofing: IP44 rating

Operating distance:

Mesh Network

Up to 492 feet / 150 meters outdoors.

Up to 131 feet / 40 meters indoors.

Star Network (Long Range)

Up to 600m outdoors.

Up to 300m indoors.

Specifications subject to change without notice due to continuing product improvement.
