

HUAWEI Energy Management Assistant (EMMA-A02)

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HUAWEI Energy Management Assistant (EMMA-A02) is an advanced solution that integrates energy management, consumption measurement, and communication with other devices into one system. It is an innovative combination of software and hardware technology, supported by artificial intelligence, which enables the optimization of energy use in smart homes.

Product variants

Index	Price
HUAWEI Energy Management Assistant (EMMA-A02) AF.licznik.huawei.07	Product prices only visible after login. If you do not have an account, please register.

Product description

HUAWEI Energy Management Assistant (EMMA-A02) is an advanced solution that integrates energy management, consumption measurement, and communication with other devices into one system. It is an innovative combination of software and hardware technology, supported by artificial intelligence, which enables the optimization of energy use in smart homes.

Product Advantages:
Precise energy management: Class 1 energy measurement accuracy.
Ease of installation: Integrated WLAN/FE module.

Intelligent PV and ESS planning: Optimization based on forecasts.

Compatibility with various household devices: Flexibility in handling different devices.

Convenient measurements: Integrated measurement functions.

Technical Specifications of EMMA-A02:

General Data:

Dimensions (W x H x D): 108 x 100 x 65 mm

Mounting Type: DIN35 Rail

Weight: 0.5 kg

Power Supply:

Grid Type: 1P2W / 3P3W / 3P4W

AC Voltage: 1P2W: 100-240V, 50/60Hz; 3P3W/3P4W: 346-415V, 50/60Hz

Typical Power Consumption: 4W

Interface:

Power Output: 9.5-13.2V @ 100mA, $\leq 3\text{m}$

LAN/WAN: 10/100Mbps, $\leq 100\text{m}$

WLAN: AP + STA, 802.11b/g/n (2.412GHz ~ 2.484GHz)

RS485: 9600/19200/115200bps, $\leq 50\text{m}$

Digital Input/Digital Output: $\times 2$, $\leq 20\text{m}$

Measurement Range:

Current Range: $\leq 63\text{ A}$ (direct connection), $> 63\text{ A}$ (external CT)

Voltage Range: 1P (L-N): 85-299 Vac; 3P (L-L): 148-520 Vac

Energy Accuracy: $\pm 1\%$

Device Management:

Smart Energy Controllers: up to 3

Smart Chargers: up to 2

Heat Pumps: up to 22

Shelly Devices: up to 20

Environment:

Operating Temperature Range: -25°C to $+60^{\circ}\text{C}$

Storage Temperature Range: -40°C to $+85^{\circ}\text{C}$

Relative Humidity Range: 5% - 95% RH (non-condensing)

Max. Operating Altitude: 4000 m (derating $> 2000\text{m}$)

Degree of Protection: IP2X

Compatible Devices:

Smart Energy Controllers: SUN2000-2-6KTL-L1, SUN2000-8-10K-LC0, SUN2000-3-10KTL-M1, SUN2000-12-25KTL-M5, SUN2000-12-25K-MB0

Smart Chargers: SCharger-7KS/22KT-S0

Heat Pumps: SG-ready

Shelly Devices: Shelly Plus Plug S, Shelly Plus 2PM, Shelly Pro 2PM