LoRaWAN® energy meter plug with I/O
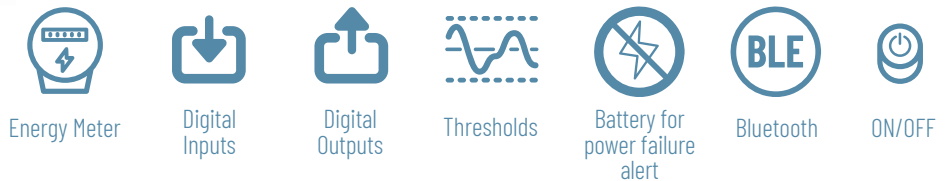
The EGK-LW22PLG is a compact C-class LoRaWAN® meter that can monitor and switch a 230Vac - 16A Load (active, reactive and apparent energy, Class 0.2s), equipped with a rechargeable battery for mains outage detection, with configurable default power-on status.

Energy Meter	Digital Inputs	Digital Outputs	Thresholds	Battery for power failure alert	Bluetooth	ON/OFF

Smart
- Programmable power thresholds for **real time** event.
- **Internal battery** for power failure alarm

Customizable
- **Programmable thresholds** via app or remote
- Button can be deactivated
- **Configurable** output status at power on

Simple
Easy installation and set-up

Multimeasures
Cumulative active, reactive and apparent energy, istantaneous active, reactive and apparent power, istantaneous voltage, current and period and running time

Bluetooth
Bluetooth interface for **configuration** and **diagnostic**

CLASS 0.2s

High accuracy Measurement

EGK-LW22PLG

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Applications

- Energy metering
- Powerline quality measure
- Remote load control
- Mains blackout alarm
- Machinery maintenance

Specifications

- CPU ARM Cortex M4
- Class C LoRaWAN® 1.0.2 , EU868
- OTAA/ABP activation
- Metering and switch of a 230Vac - 16A Load (active, reactive and apparent energy, Class 0.2s)
- Error on energy measurement ±0.2% @100% load
- Configurable default power-on status
- Instantaneous reading of active, reactive and apparent power, voltage and current
- Power supply from line, 230Vac, 50Hz
- Bicolor led (green, blue), for output and LoRaWAN® status
- Overload protection
- Rechargeable battery for powerline outage detection

- Embedded antenna
- Pushbotton for forcing transmission or re-join, ON/OFF (lockable),
- Time interval based or thresholds based uplink
- Transmission @868 MHz, 14dBm max.
- BLE 5.0 interface for configuration, data reading and FW upgrade
- Remote configuration
- Storage temperature -10°C ÷ +70°C
- Working temperature -10°C ÷ +60°C
- Dimensions: 110x62x35mm
- Protection grade: IP20
- Weight: 140g

EGK-LW22PLG
official web page: