

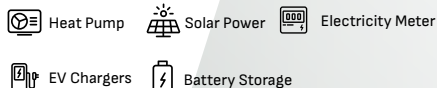


# Reduxi Controller AI Energy Management

Reduxi is an innovative energy management system designed to optimize electricity consumption, production, and storage for residential and industrial users.

Using AI algorithms, the system provides real-time adjustments to reduce costs, enhance energy efficiency, and increase self-sufficiency, making it an ideal solution for those looking to align their energy practices with sustainability goals. Its intuitive cloud-based platform offers users complete control and insights into their energy systems, driving smarter decisions and long-term savings.

## Connect Reduxi to:



## Reduxi System

The Reduxi System, available via web and mobile app, delivers effortless real-time monitoring with updates every second and periodic summaries every minute, ensuring you always have the latest insights into your energy system.

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# Reduxi Controller

Reduxi Controller is the heart of your smart energy management system (EMS).

It's the core component of the Reduxi ecosystem, offering robust functionality to optimize energy management and maximize efficiency. Its advanced capabilities include:

- **Centralized Energy Management:** Seamlessly connects solar panels, energy storage, heat pumps, EV chargers, and more to streamline energy production and consumption.
- **Smart Device Integration:** Communicates with devices using industry-standard protocols (e.g., Modbus, DLMS, OCPP) for effortless control and compatibility.
- **Dynamic Tariff Optimization:** Leverages real-time market data to reduce energy costs through automated load shifting and peak management.
- **High-Speed Data Processing:** Provides second-by-second data acquisition and control for precise and responsive system operations.
- **Plug & Play Setup:** Simple and user-friendly installation with intuitive configuration.
- **Scalable Design:** Supports an unlimited number of devices for versatile use in residential, commercial, or industrial environments.
- **Connectivity & security:** 2 Ethernet ports enabling it to act as a firewall, separating connected devices from internet if necessary.



Reliable, efficient, and highly adaptable, the Reduxi Controller empowers users to achieve energy self-sufficiency and cost savings while staying connected to the future of energy management.

| HOUSING                            |                                  |
|------------------------------------|----------------------------------|
| Material                           | Compact plastic housing          |
| Dimensions                         | 100 x 100 x 35 mm                |
| Ingress Protection                 | <IP20                            |
| Weight                             | 163 g                            |
| POWER SUPPLY                       |                                  |
| Input                              | USB-C                            |
| Average power consumption          | 5 W                              |
| CONNECTIVITY                       |                                  |
| Ethernet                           | 1 Gbps WAN + 100 Mbps LAN (RJ45) |
| RS485                              | 1x 2-pin terminal block          |
| Wi-Fi                              | IEEE 802.11 a/b/g/n/ac, 2.4/5GHz |
| OTHER                              |                                  |
| Operating temperature range        | From 0°C to +40°C                |
| Storage temperature range          | From -10°C to +70°C              |
| Relative humidity during operation | < 95% (non-condensing)           |