

Products overview

Original text as published before the redesign of this article. Wording unchanged.

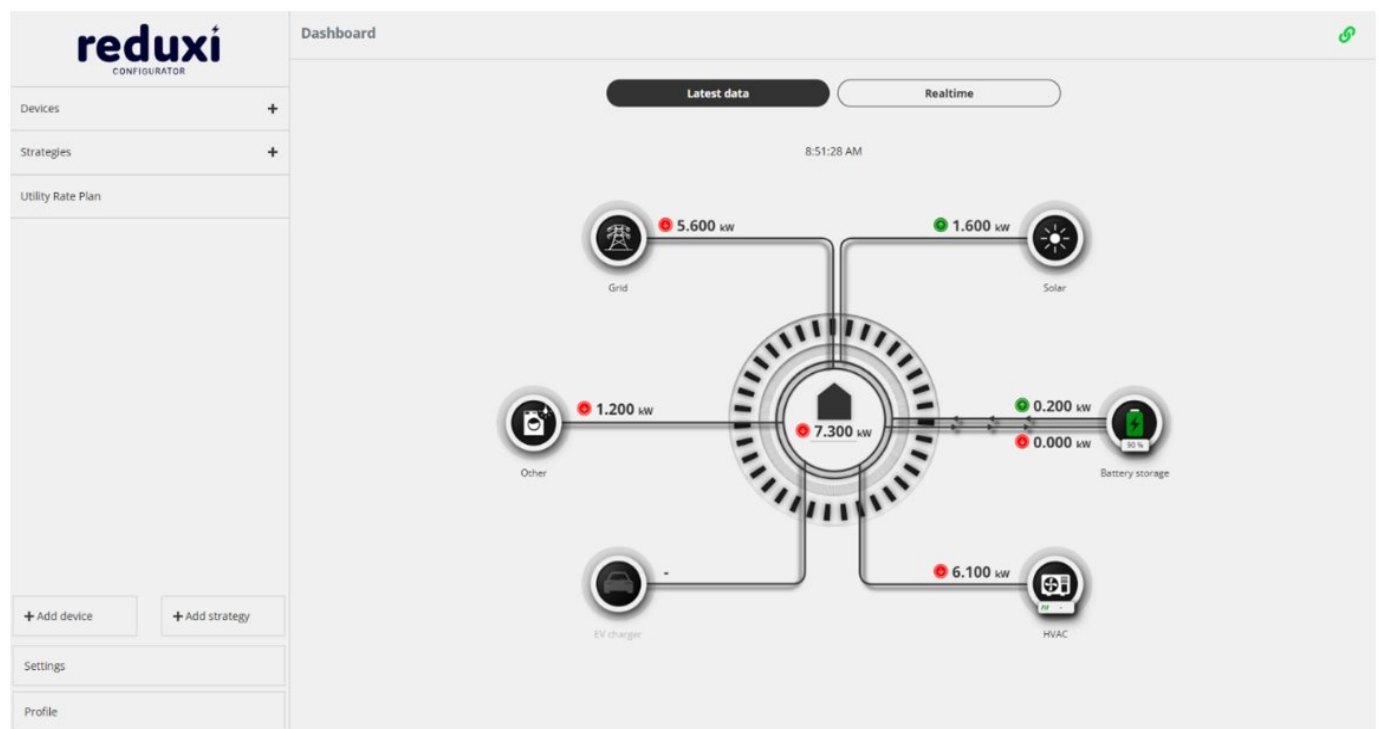
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Reduxi controller



The Reduxi Controller is the key and mandatory component of every Reduxi system. It connects solar power plants, energy storage systems, heat pumps, and electric chargers to the Reduxi System. It manages electricity production and consumption, adjusts power usage from the grid, and uses advanced algorithms to ensure cost-effective energy use and maximum self-sufficiency.

Every Reduxi Controller comes with built-in Configurator software, you will recognize it by the bright background and a simple-to-use interface.



Reduxi gateway



This Reduxi system extension converts RS485 serial signals into TCP/IP, providing extra RS485 ports when the Controller's two inputs are insufficient or when distance limits wired connections. It includes two relay outputs for controlling third-party devices, like heat pumps or EVU contacts. The gateway also allows measurement of power consumption with current transformers.

Reduxi Gateway is an optional component of a Reduxi system.

Reduxi P1 Ultra



Our dedicated converters let you capture relevant **data from electricity meters** every second, either wirelessly or with a wired connection, for seamless integration with the Reduxi Controller.

- **Reduxi P1 Ultra Plus and Ultra pro** capture billing data from meters via P1/I1/HAN/RTS485 ports and send it (via WiFi) to Reduxi Cloud or Reduxi Controller.

Reduxi P1 Ultraconverters are an optional component of a Reduxi system.

Reduxi cloud – an online web and mobile application



Reduxi Cloud is an online web and mobile application. It provides effortless real-time monitoring with updates every second and periodic summaries every minute. Access your data anywhere in the world on desktop or mobile with no additional setup required. Reduxi Cloud brings user experience to the highest level.

Synchronization with the local Reduxi Controller happens in real-time



Reduxi strategies

The Reduxi controller empowers end users to manage energy consumption and production for local installations in homes or industrial facilities. Its strategies dynamically adapt to energy market price fluctuations, tariff time blocks, basic configurations (such as building-specific export/import limits), and other relevant factors. By uniting all consumer and producer installations into a single cohesive strategy, the Reduxi system enables real-time adjustments that optimize all variables simultaneously, ensuring they align with the user's specific needs.

