ComniSwitch

Smart energy solution

Complete service for smart power solutions

Short description

ComniSwitch is a device and a cloud service combined. The main use case is to save and optimise energy use by controlling a variety of power solutions from inverters to raw battery clusters. The cloud service allows 3rd party system integrations for extended control. ComniSwitch is cost effective, battle tested and highly scalable.

Use case examples

ComniSwitch is flexible and fits for various power control needs. These examples are some of the most common use cases.

Smart powerwall, charge when electricity is cheap, discharge for use when expensive.

Control fleets of smart powerwalls for predictability and load balancing.

Cut peak costs from homes to heavy industry.

Connect with inverters, batteries, solar panels, boilers, heaters and eletric cars among others for optimal consumer products.

The cloud

ComniSwitch service runs on AWS for optimal uptime, availability and security. However, it can be installed and used on any other server or cluster.

Our API's provide an easy and safe way for your systems to connect, and we are highly agile in implementing new features for additional needs.

The device

Software

ComniSwitch firmware is a result of years of research and development. It is a Linux-based system with maximum security and robustness. There is inbuilt firewall and support for several interfaces and I/O's for diverse hardware connection demands.

Comms & I/O

Out of the box ComniSwitch device has support for Modbus, USB, CAN, RS-232, RS-485 and 1-Wire.

Digital opto-isolated inputs, dry contact inputs, open drain outputs, analog inputs and outputs.

Security

Internal UPS for safe shut down, no moving parts and meets EN 61326-1:2013 requirements. DIN rail enclosure is for easy installation. ComniSwitch device handles power outages and other unexpected situations with ease.

Cost

ComniSwitch device is cost effective, and it can be tailored for various use cases and scalability. Contact us for more information.

Contact Us

We look forward to working with you!

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