

Plugin data

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| author Geoff Sullivan |
| status STABLE |
| version 0.5 |
| Min. LB Version 2.2 |
| Download https://github.com/Geoffs57/LoxBerry-Plugin-foxess/archive/refs/heads/main.zip |
| Description This plugin accesses the FoxESS Cloud using the specified API Key, retrieves the current power values every 5 minutes, and sends them to the Miniserver via a UDP message. The Grid power is negative when exporting to the grid and positive when consuming from the grid. Battery power value is negative for charging and positive for discharge. The values are then ready for use with the Loxone Energy Flow Monitor and/or Energy Manager. |

END



FoxESS Bridge

Download

<https://github.com/Geoffs57/LoxBerry-Plugin-foxess/archive/ref/heads/main.zip>

Function of the plugin

The plugin triggers a cronjob script every 5 minutes that reads values from the foxesscloud api and then sends them to the miniserver via UDP - using a json format to allow easy value extraction on the miniserver side. These values will be useful in the miniserver for various components, such as the energy flow monitor and/or energy manager.

The plugin has only been tested using a FoxESS system that includes: Solar Panels, a Battery and one hybrid Inverter but should also work for other configurations.

The plugin is basically a clone and adaptation of the LoxBerry plugin myenergi, which was a perfect starting point to base this plugin on. I developed it because I have FoxESS components. The API needs to be configured with an API key, which must be generated in the users FoxESS account. The plugin cannot be run any more frequently than every 5 minutes without exceeding the 1440 calls per day limit applied to most FoxESS accounts.

Installation The installation should be straight forward via the web interface.

Configuration options

All you need to do is set:

- APIKey
- Serial number of primary inverter (only required if you have more than one inverter)
- Miniserver UDP Port
- Miniserver IPv4 address

Setup in the Loxone Config Software

Instructions with screenshots are included directly on the Github README.me [LoxBerry-Plugin-foxess](#)

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