Introduction and setup

Introduction

Eponet offers an interface for transferring load and meter data in the innosolvenergy format. This interface is described below.

> The Innosolvenergy interface has been approved by Innosolv! The interface was created according to Innosolv specifications. If you have any questions or require adjustments, please contact your Innosolve system integrator or Innosolv. Eponet cannot make any adjustments to this.

Format

Data can be created in either XML or CSV file format. The difference lies in the innosolvenergy protocol.
XML data contains the cumulative values per day in the selected period per measuring device. The CSV file, on the other hand, contains the energy consumed in 15-minute intervals per measuring device.
A measuring device is either a meter (water, electricity, heat, etc.), charging point or RFID card.

CSV format:

With the CSV file format, a time series file is created in innosolv format. These contain a status column. Eponet sets the status to 3 possible values:

W: True value. Eponet has received the value directly from the measuring device.
F: Missing value. If Eponet does not receive a value from the measuring device, but the device reports normally (i.e. is online), a W is set despite the missing value. This is because Eponet knows that if a value other than 0 were displayed, the measuring device could also have delivered it.
E: Replacement value. It can happen that a measuring device has an interval greater than 15 minutes. For example, a meter may show a value of 100 at 14:00 and the next value of 200 at 15:00. Eponet then sets the value to 125 at 14:15, 150 at 14:30 and 175 at 14:45. These values are then marked with the status E.

The same often happens with charging stations, which, for example, finish charging at 3:00 a.m. The customer then preheats the vehicle for 2 minutes at 7:00 a.m., for example. Now it may happen that this consumption is not transmitted in the 2 minutes (depending on the setting in the charger). There is now a discrepancy between the stop value and the transmitted values. Eponet then recalculates these and marks the values with status E.

Sample CSV file:

image.png

S- status
Creation - Date on which file is exported or downloaded
CH123 - Obis value
12:253:1 - Meter value

Sample XML file:

image.png

Setup

Navigate to Settings and select Innosolvenergy. If this option is not available, it means that it has not been enabled for you. In this case, please contact Eponet Support.

In the tabs Charging Station, Meter, RFID Cards, you can add the devices you need for data export.

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When adding devices, you will have the option to specify the OBIS code and the metering code. The OBIS code identifies the tariff, while the metering code identifies the device itself. In the example, this would be the charging station.

> **Although the OBIS code can be defined, different OBIS codes for different tariffs are not currently supported. The tariff code is therefore always the same.*

For meters and chargers, all values for the respective device are exported. For RFID cards, all services purchased with the corresponding card are exported, even if this took place on different chargers.

For RFID cards, the RFID card number is used as the metering code by default. However, you have the option of overwriting this metering code and setting your own code.

> Please note: If the RFID card code is overwritten, there may no longer be a reference in the exported file to the card as it is managed in the Eponet portal.

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