



Home Energy Control

The energy balance of your home always in view

1 General information

Order number: 604450	Supplier information Martin Paulick Am Schäferfeld 3c 32547 Bad Oeynhausen Germany Support: Tel: +49 160 96678660 Martin.Paulick@web.de
Version: 1.3.1.0	
Short description The documentation and the software GUI is in German language only! Home-Energy-Control is a software to log and analyse the electrical energy balance of a residential building. The income of a PV-Plant can be compared with the own consumption and purchase energy.	

2 Requirements and restrictions

Programming system	CODESYS Development System Version 3.5.6.3 or higher
Target system	CODESYS Control Raspberry Pi 3.5.6.2 or higher
Supported Platforms / Devices	CODESYS WinV3 and Raspberry-Pi
Additional requirements	Optical scanner to read data from electronic meter
Restrictions	Without a license key the software works in DEMO-Mode with the following limitations: <ul style="list-style-type: none">• Storing the energy production, feed-in data on SD-Card is deactivated• Data upload with FTP-Push is deactivated• Feed-in management is deactivated

3 Price

Licensing the software for one PLC costs 70€ without tax.

4 Required accessory, purchasable in the CODESYS Store.

Additional a CODESYS Runtime for Raspberry Pi license is necessary.

5 Product description

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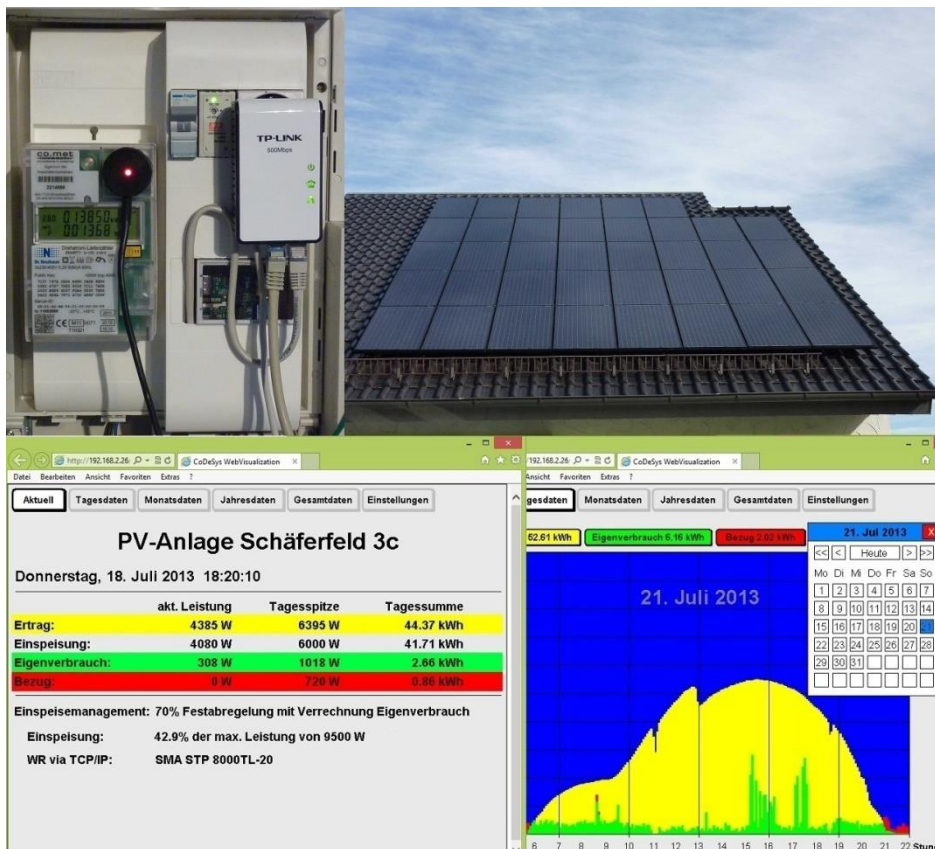
This application monitors the electrical energy balance of a residential building with income of a PV-Plant, own consumption and purchase energy.

In addition to the system status several views for the day, month, year and overall summary are shown by CODESYS WEB visualization. The measurement of the electrical income is made by an optical scanning head connected to the electric meter by D0-Interface (SML or IEC 61107). The feed-in energy and the purchase energy is measured in the same manner but at the two-way meter. When using SMA inverters the electrical income alternatively can be read with SMA Speedwire via the Ethernet interface...

The data are stored on the SD-Card of the PLC and can be transmitted by FTP-Push to anywhere.

6 Technical description

7 Screenshots



Picture 1: Reading the PV income from an electric meter with an optical scanner