

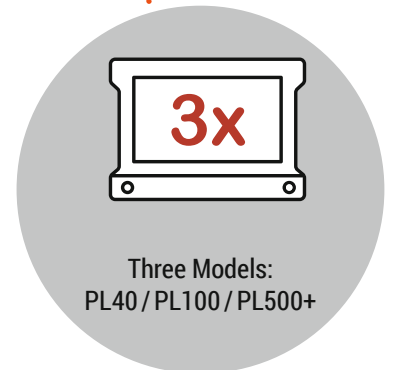
PLEXLOG
ENERGY MANAGEMENT



**The most efficient
system regulation**

Energy manager. Cloud. Portal.

OUR PRODUCT

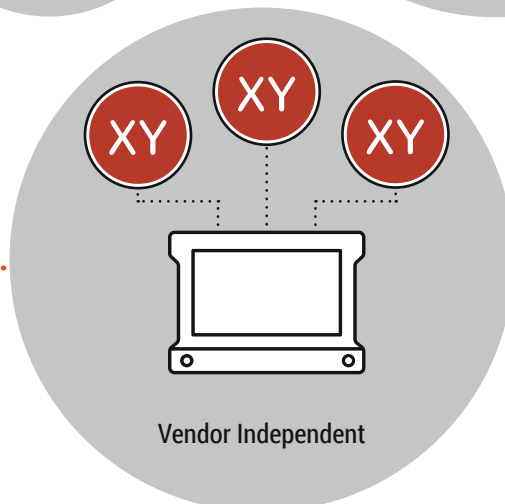
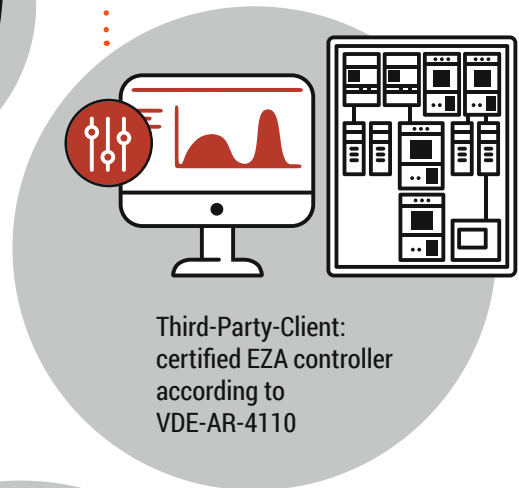
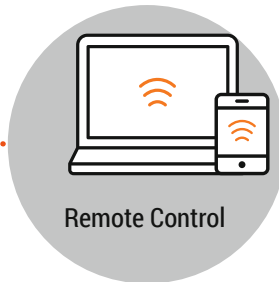
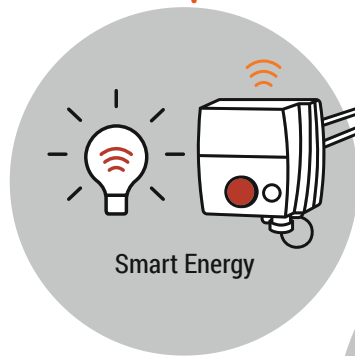


»The lean workflow of the PLEXLOG and the straightforward portal impressed us right from the start! The wide range of applications, the simple handling and the great support – with this combination the energy manager from PLEXLOG convinces us every time.«

Ralf Düsing – CO Emsland PV GmbH

We are Offering an Innovative White Label Solution of Hardware and Software to Service Companies, Solar Installers and Solar Operators.

Our solution features an intuitive application design and an innovative cloud concept. The intelligent interaction between the energy manager and the portal optimizes the installer's workflow on the construction site. The PLEXLOG portal can visualize hardware systems from other manufacturers, greatly simplifies the integration process and makes it much easier to get started, even for existing installations.

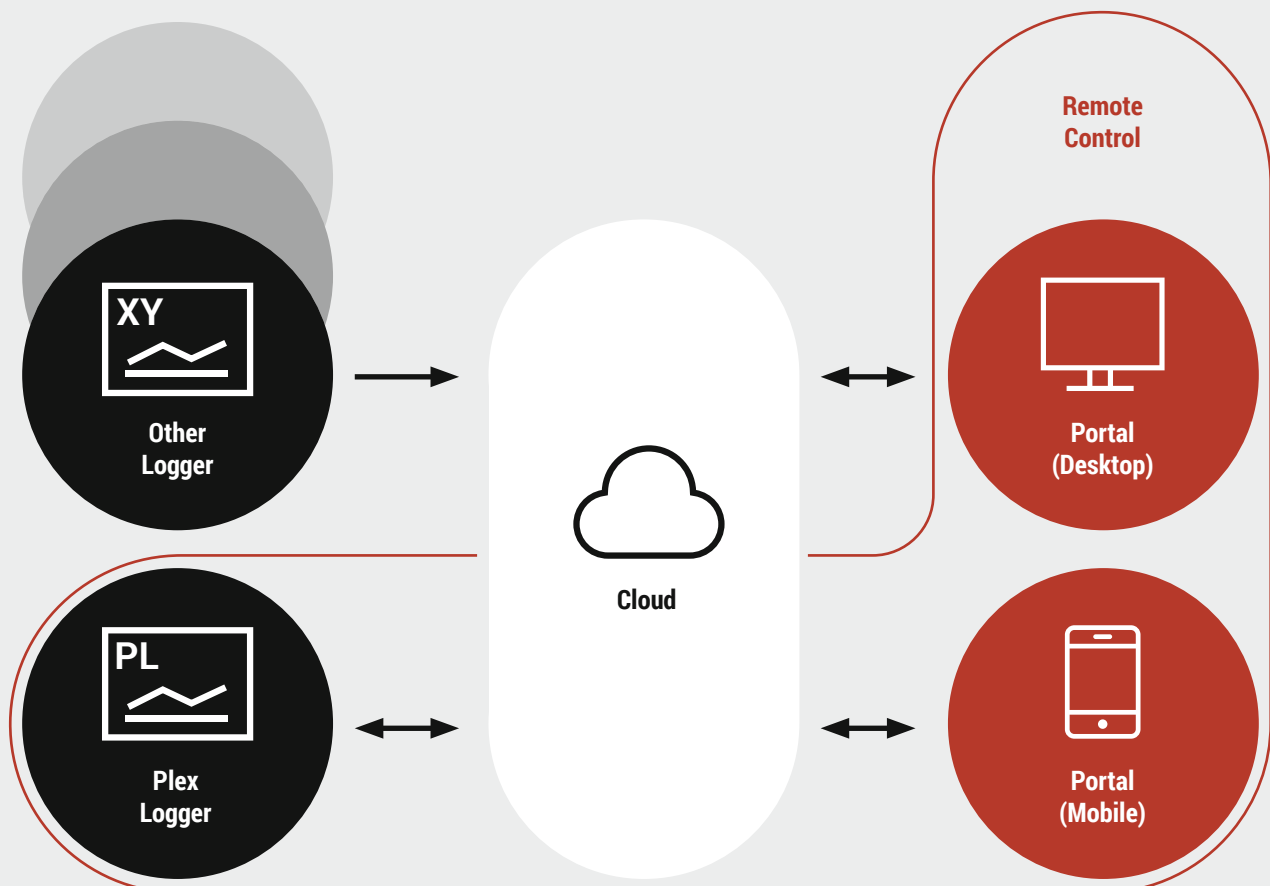


THE PLEXLOG CLOUD

User Friendly and Flexible

Advantages of the Cloud:

- › Simple remote configuration of loggers, saving travel time
- › No need for configuration or data backup when replacing loggers
- › Integration with external loggers (e.g., Solar-Log, WEB'log, Sunny WebBox)
- › Portal available as an app for mobile devices (smartphone & tablet)



SOFTWARE

Portal

System Overview at a Glance



The PLEXLOG portal, available on browsers and apps, is where all the data collected by the energy manager comes together. It's like a control center where you can manage everything easily. You can track system performance, handle any issues that appear, manage users and even more.

Portal Functions:

System Management

- › Quick status overview
- › Map function
- › Visualization of earnings
- › Integration of third-party loggers
- › System documentation
- › Weather information

Customer / User Management

- › Rights management

Analytic Tools

- › Module field test
- › System comparisons
- › Target/actual comparisons

Reporting & Reports

- › Automatic e-mail sending
- › PDF and/or Word
- › Archive
- › Customizable content

Error Message Management

- › Logbook
- › Digital service booklet
- › Recipient management

Added Value:

Reduce Portal Fees with PLEXLOG

PLEXLOG provides an exceptional price-performance ratio. Our competitive pricing model is particularly advantageous for third-party loggers. We would be pleased to share our current price list with you upon request.

Optimize Your Business Model with PLEXLOG

The PLEXLOG portal offers robust tools for reporting, billing, and administration to support the implementation of your business model in the maintenance and service sectors.

System Overview

With the PLEXLOG portal, all systems are integrated under one roof. Enjoy the benefits of clear visualization and extensive analysis functions.

Enhance Your Company's Presentation

Showcase your brand with a customized portal featuring your logo and colors. We offer free integration of the portal with your own login on your homepage.

Time saving

Save a lot of time with our efficient error management system, all-in-one portal solution, easy on-site installation, and remote configuration tool.



PLEXLOG Energy Manager

Optimize your Photovoltaic Systems

The PLEXLOG Energy Manager is the ideal solution for monitoring and controlling photovoltaic systems of all sizes. Our PL40, PL100, and PL500+ models provide the perfect fit for any application, from small to large systems.

Whether you need to regulate surpluses from heating elements, heat pumps, charging stations, and more, or if you're interested in third-party client integration, remote monitoring, and EZA controller functions (VDE4110), PLEXLOG has the right system with the appropriate interfaces.

All devices are remotely configurable, offering the perfect solution for professional system monitoring.

Implementation Examples:

PL Home (PL40)

- › **Small systems up to 40 kWp with simple surplus control of consumers** (*SmartEnergy light*)
- **Four Ports** are available for integrating inverters, battery storage systems, meters, heating rods, charging stations, and more via Ethernet. Additionally, two of these ports can be utilized with the integrated RS485 ports
- Linear surplus control (*SmartEnergy*) of heating elements and much more possible
- Interface for connecting a **radio ripple control receiver**
- **Remote management** via portal

PL Commercial (PL100)

- › **Home systems with complex SmartEnergy applications**
- › **Medium-sized commercial systems up to 100 kWp**
- **Six interfaces** are available for integrating inverters, storage systems, meters, heating rods, charging stations, etc. via the network. The first four ports can also be used with the four integrated RS485 interfaces
- Full **SmartEnergy assistant** including consumer control according to **§14a EnWG** and **dynamic electricity tariffs**
- **Four configurable relays**, allowing options such as telecontrol connection or surplus control (e.g., heat pumps) via contact or SG-Ready interface
- **Third-party-client interface**
- Interface for connecting a **radio ripple control receiver**
- **Remote management** via portal

PL Industry (PL500+)

- › **Large systems and solar parks**
- **Six interfaces** are available for the integration of inverters, storage systems, meters, heating rods, charging stations, and so on via the network (Ethernet). The first four ports can also be used optionally through the four integrated RS485 interfaces
- Our **SmartEnergy assistant** includes consumer control compliant with **§14a EnWG** and is adaptable to **dynamic electricity tariffs**
- **Four configurable relays**, allowing options such as telecontrol connection or surplus control (e.g., heat pumps) via contact or SG-Ready interface
- **Third-party-client interface**
- Interface for grid guard interface via **IEC101/104**
- **Certified EZA controller according to VDE4110**
- **Remote management** via portal



Technical Specifications of the PL Energy Manager Series

	PL Home (PL40)	PL Commercial (PL100)	PL Industry (PL500+)
Maximum system capacity	up to 40kWp	up to 100 kWp	no limitation
Total number of ports (RS485 and Ethernet)	4	6	6
Usable as RS485 interfaces	2 (1x RS422/485 and 1x RS485)	4 (1x RS422/485 or 2x RS485 and 2x RS485)	4 (1x RS422/485 or 2x RS485 and 2x RS485)
All ports free for connection of different manufacturers of inverters, meters, sensors, relay control, wallboxes, heating rods, etc.			
Number of digital input interfaces / of which are usable as SO inputs	7/3	7/3	7/3
Number of integrated relay contacts	–	4 (can be configured, e.g. for Smart Energy)	4 (Can be configured, e.g. for Smart Energy or grid guard)
Ethernet interfaces	1	1	2 (Second ethernet interface for direct connection of grid)
USB interface	yes	yes	yes
7"-Touchdisplay	yes	yes	yes
Remote access	yes	yes	yes
Power supply	12-24V DC	12-24V DC	12-24V DC
Top-hat rail adapter	yes (using separate top-hat rail adapter kit)	yes (using separate top-hat rail adapter kit)	yes (using separate top-hat rail adapter kit)
Size and weight		2.2 x 14.6 x 3.5 cm (L x W x H)/520 g	
Power Management			
Restriction of system output/ with billing of own	yes/yes	yes/yes	yes/yes
Interface for remote-controlled power reduction	yes	yes	yes
Reactive power control	yes	yes	yes
I/O box support for remote control connection via analog signals	no	no	yes
Third-party-client interface	no	yes	yes
Connection of grid guard interface via IEC 101/104	no	no	yes
Certified to VDE4110	no	no	yes
Monitoring			
MPPT monitoring	yes	yes	yes
Notification of breakdown by e-mail	yes	yes	yes
Notification of breakdown via display	yes	yes	yes
Earnings forecasts	yes	yes	yes
Modulfelder	yes	yes	yes
Plant groups	yes	yes	yes
Additional Features			
Remotely configurable	yes	yes	yes
Master-Slave-Mode	no	no	no
SmartEnergy relay control/onboard	yes/no	yes/yes	yes/yes
Linear surplus control	yes	yes	yes
Complete SmartEnergy Assistant - based on criteria	no	yes	yes
Consumer control according to §14a EnWG	no	yes	yes

ABOUT PLEXLOG

As specialists in smart monitoring and control technology for photovoltaics and energy management, PLEXLOG offers a unique system monitoring solution. This solution combines functionality, flexibility, and customer-centric support with technical innovation. We have been supplying and supporting B2B customers across Europe, since 2015. Our product and our quality management system is certified according to DIN EN ISO 9001:2015.

Our hardware and software solutions are utilized in various applications, including solar power systems, CHPs, charging stations, storage systems, heat pumps, and more. PLEXLOG's energy managers are compatible with all major inverter manufacturers, enabling remote maintenance, feed-in management, and smart energy control.



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