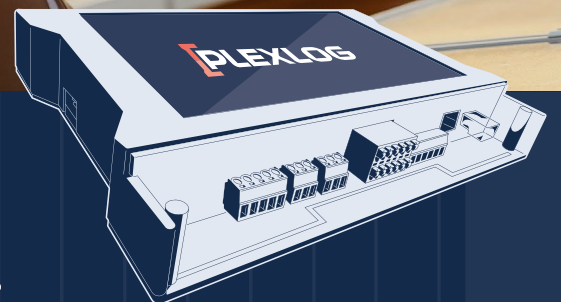




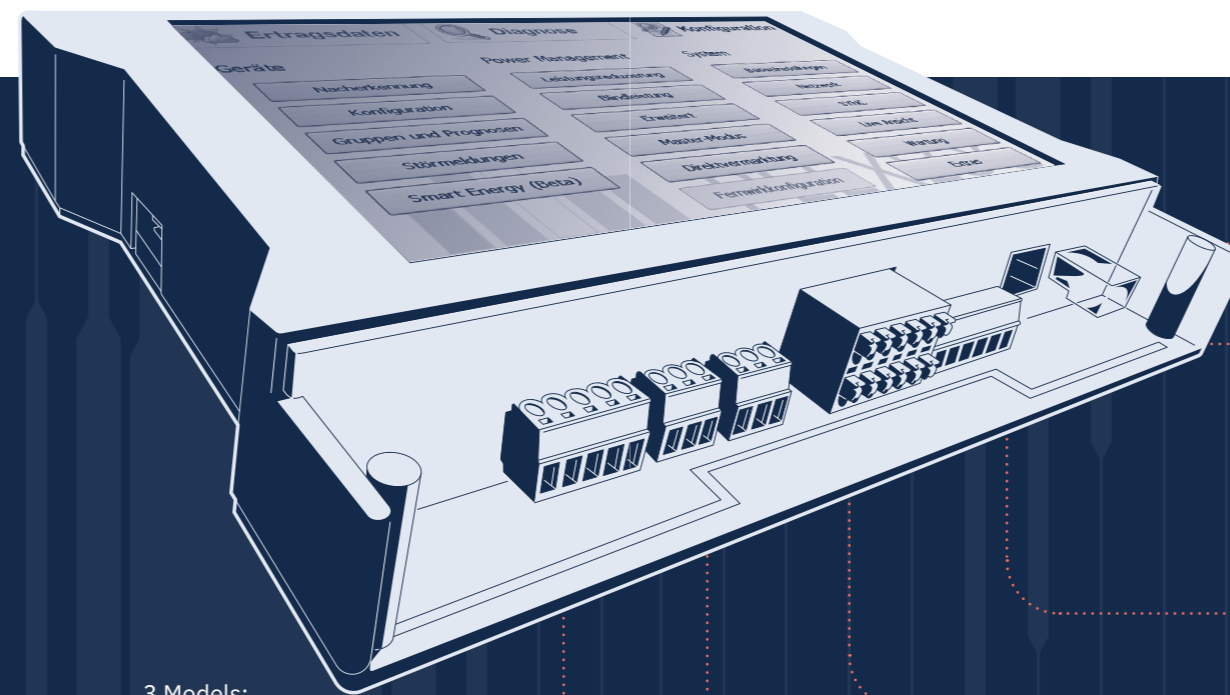
Energy manager.
Cloud. Portal.



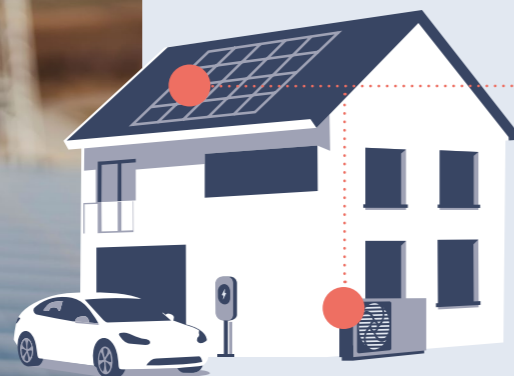
We manage energy.
Intelligent. Digital. Connected.

OUR PRODUCT

PLEXLOG is offering an innovative white label solution of hardware and software to service companies, solar installers and solar operators. The interaction between the energy manager, portal, and innovative cloud concept simplifies installation, operation, and monitoring – including for existing systems and installations from other manufacturers.



3 Models:
PL40 / PL100
PL500+

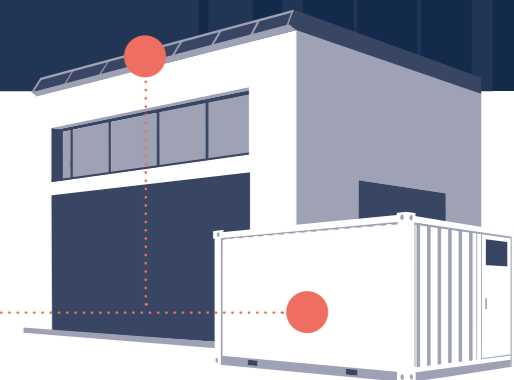
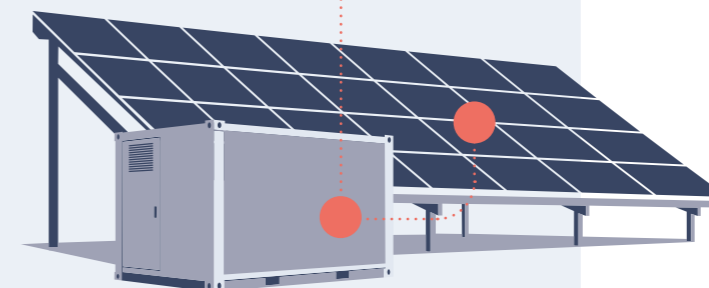


PL40
RESIDENTIAL & SMART ENERGY

- Photovoltaics
- Energy Storage
- EV Charger
- Heat Pump
- Heating Element
- dynamic Electricity Tariffs
- EnWG §14a

PL500+
SOLAR PARKS & LARGE-SCALE SYSTEMS

- EZA-Controller according to VDE 4110
- Connectivity to EVU-Gateways
- Direct Market Participation
- Integrated Electricity Market Access
- Transformer Integration
- All manufacturers



PL100
COMMERCIAL STORAGE & LOAD MANAGEMENT

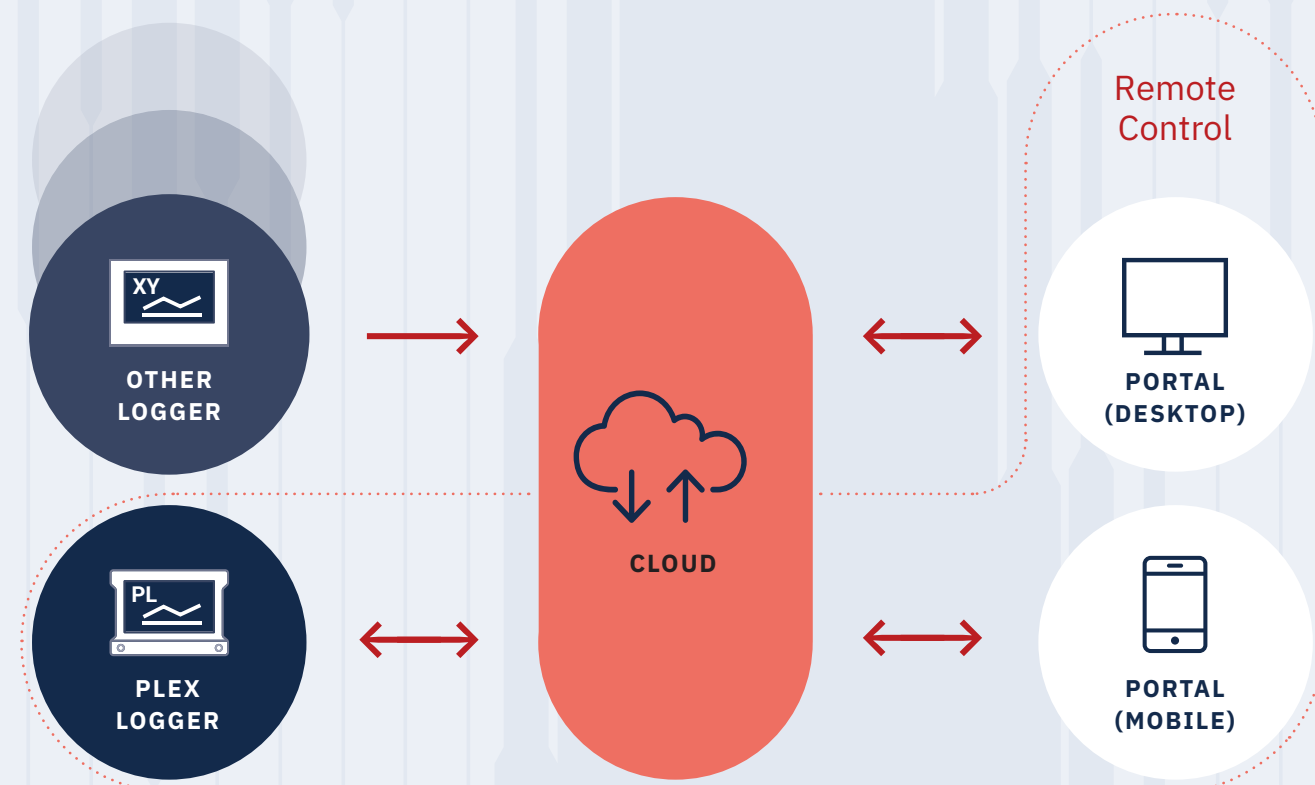
- Peak Shaving & Energy Storage Management
- Integrated Electricity Market Access
- Ancillary Services & Direct Marketing
- Grey, Green and Real-Time Electricity
- Charging Infrastructure & Load Management
- EVU-Integration & EZA-Controller according to VDE 4110

THE PLEXLOG CLOUD CONCEPT

User-friendly and flexible

The advantages

- Streamlined workflow through quick on-site installation
- Easy remote configuration of energy managers
- 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

The Portal – all systems at a glance



The PLEXLOG-Portal (accessible via web browser or app) centralizes and visualizes all data collected by the energy manager. It includes powerful tools for system and fault management, customer and user administration, and advanced analytics, monitoring, and reporting capabilities to support the professional operation of photovoltaic installations.

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 priceperformance 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

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 PRESENCE

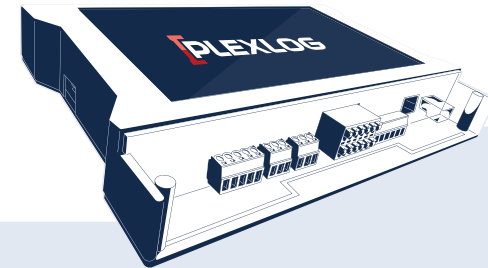
Showcase your brand with a customized portal featuring your logo and colors. We offer free integration of the portal with your own login on your homepage.



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.

The Energy Manager – always the right solution



The PLEXLOG energy manager monitors and controls photovoltaic systems and energy storage systems of any scale. With the PL40, PL100, and PL500+ models, we provide the right solution—from surplus and storage management to direct market participation, remote control integration, and EZA controller functionality. All devices support remote configuration and enable professional system monitoring.

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** (Smart Energy) 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 Smart Energy applications as well as medium-sized **commercial systems** up to 100 kWp

- **Nine 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 tele-control connection or surplus control (e.g., heat pumps) via contact or SG-Ready interface
- Control based on integrated **electricity market pricing**
- **Third-party-client interface**
- Interface for connecting a **radio ripple control receiver**
- **Remote management** via portal

PL Industry PL500+

Solar parks, large-scale systems, and commercial storage systems above 100 kWp

- **Nine interfaces** (four of which optionally via integrated RS485 interfaces) for connecting inverters, storage systems, meters, sensors, heating elements, etc.
- Our **SmartEnergy assistant** includes consumer control compliant with **§14a EnWG** and is adaptable to **dynamic electricity tariffs**
- **Four configurable relays**, allowing options such as tele-control connection or surplus control (e.g., heat pumps) via contact or SG-Ready interface
- Control based on integrated **electricity market pricing**
- **Third-party-client interface**
- Interface for grid guard interface via **IEC101/104**
- Certified **EZA-Regler nach VDE4110**
- **RemoteControl** via portal



Technical Specifications

	PL HOME (PL40)	PL COMMERCIAL (PL100)	PL INDUSTRY (PL500+)
Maximum system capacity	up to 40 kWp	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		
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)		
Size and weight	20,2 x 14,6 x 3,5 cm (L x B x H)/520 g		

POWER MANAGEMENT

Restriction of system output/ with billing of own	yes/yes	yes/ yes	yes/ yes (PAV,E-regulation)
Interface for remote-controlled power reduction	yes	yes	yes
Active and reactive power control	yes/ yes	yes/ 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
Module arrays	yes	yes	yes
Plant groups	yes	yes	yes

ADDITIONAL FEATURES

Remotely configurable	yes	yes	yes
Master-Slave-Mode	no	no	yes
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
Integration and control based on electricity market pricing	no	yes	yes

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www.plexlog.de



As specialists in smart monitoring and control technology for photovoltaics, energy storage and energy management, **PLEXLOG** offers a unique system monitoring solution. This solution combines functionality, flexibility, and customer-centric support with technical innovation.

PLEXLOG has 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.

PLEXLOG hardware and software solutions are utilized in various applications, including solar power systems, CHPs, charging stations, storage systems, heat pumps, and more.

Our energy managers are compatible with all major inverter and energy storage manufacturers, enabling remote maintenance, feed-in management, and smart energy control.

»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