Solar-Log WEB Enerest™ 4

Highlights of the New High-performing Online-Portal*

Technical availability	Assigned elements to the plant	Event log	Third-party logger
Portal Customization	Reporting (PDF, download, e-mail)		Sensors
High data security	Value matrix	Slideshows	API	Audit-Log	Battery storage
Pinboards	**Solar-Log WEB Enerest™ 4**		Shared pinboards
KPIs	Weather data		Browser Realtime-Updates	Remote configuration
	Task management	Enerest ToGo	Meter	Build your own views
Specific yield	Produktion GProduction totalesamt	Fleet management	Online help	Authorisation system

More than just PV monitoring

Thanks to a completely new approach using linked individual services, the system availability of the monitoring platform is now increased and the monitoring does not affect the performance even with high workloads..

Solar-Log WEB Enerest™ 4 provides an intelligent compilation of individual plant information relevant for real-time performance analysis. The Solar-Log™ data is processed and prepared for you in the portal. This makes troubleshooting and analysis quicker and easier. You can therefore ensure the smooth operation of your plants.

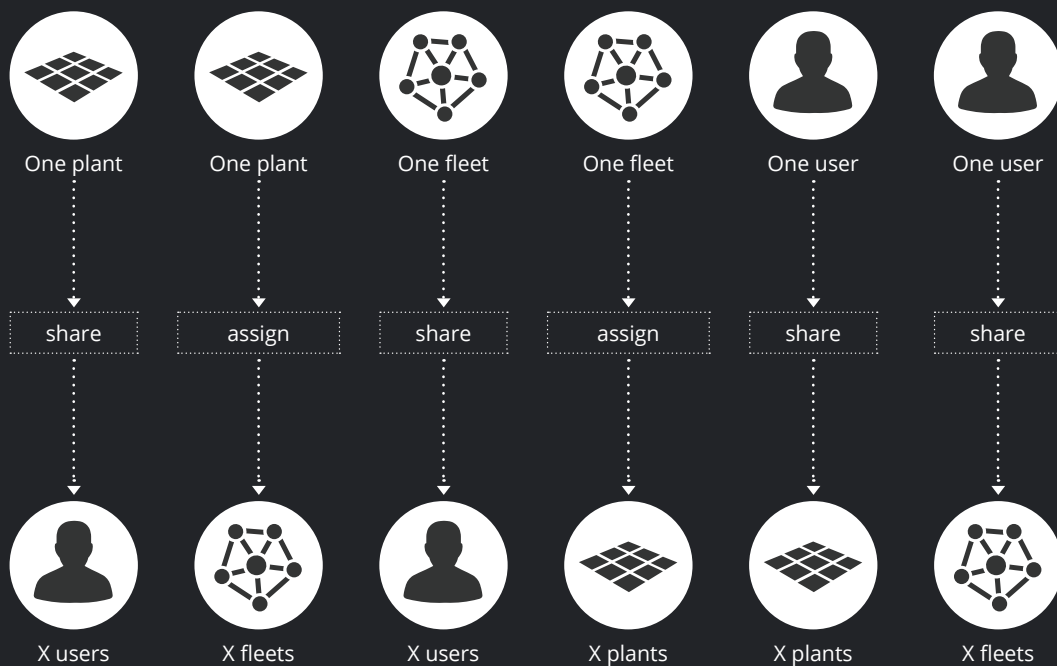* Licence fees may apply for the use of the Solar-Log WEB Enerest™ 4 Portal.

Security

Two-factor authentication (MFA/2FA)

Two-factor authentication adds an extra layer of security to your account, protecting it from attacks from the World Wide Web. A second source generates 6-digit security codes that are updated within a short period of time. We recommend that you enable this in your user profile.

Approvals

Share as many plants and fleets as you like with all your users. This way you can also integrate external service providers into your workflows with Solar-Log WEB Enerest™ 4. You decide who should have access to which features.

One plant	One plant	One fleet	One fleet	One user	One user
share	assign	share	assign	share	share
X users	X fleets	X users	X plants	X plants	X fleets

Operational data in the EU

Solar-Log™ data processed through our portal is stored on servers in the EU. This means that our data storage meets the highest European standards.

In addition, data backups are stored on servers in Norway, so they also remain in Europe.

Analysis

In the analysis module you can examine your data in detail. Choose from existing Solar-Log WEB Enerest™ 4 views, for example for string inverters, MPP trackers, sensors or battery storage. If these views don't yet meet your requirements, you can easily compile a graphic yourself.

Monitoring

With real-time browser updates, we always show you the latest information without you having to refresh pages. This ensures that you're always working with the latest messages and data.

Overview of your options

- Event monitoring of battery storage units and meters
- Monitoring communication between Solar-Log™ and connected components
- Data logger communication with Solar-Log WEB Enerest™ 4
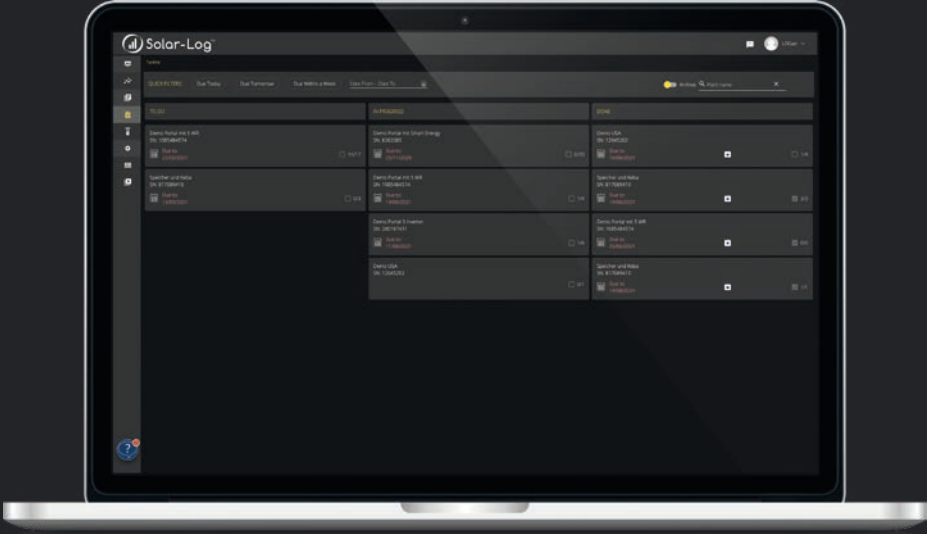- Status and events relating to connected components
- Detecting deviations down to string level.

For each type of alarm, we have compiled specific data on a single page. This enables you to analyse all the important data at a glance. You can then decide whether to view further graphs, archive the alarm or convert it into a task.

Task list

This is where all the converted alarms come together and we group them in a plant map. Here, too, all your tasks are grouped together and clearly displayed. To check your progress, you can place the plant maps in one of the three columns.

Pinboards & Slideshows

Pinboards allow you to create your own views from over 85 widgets. Choose from the widgets you already know from Solar-Log WEB Enerest™. Decide which data should be displayed for which plants. You can arrange and design them as you like. As soon as you've created several pinboards, you can also create a slideshow. A slideshow shows several pinboards one after the other. Saved pinboards and slideshows can be accessed and shared at any time.

Public pinboards

Create pinboards that can be accessed without logging in. Embed them in websites or use pinboards in digital signage systems.

Jörg Niche · CSO, Managing Director · Solar-Log GmbH

We create connections

Software

Solarfox

The large-scale displays from Solarfox can retrieve data via our WEB 4 and visualise it for you.

Solar-Log™ customers have free access to additional slides offered by Solarfox in your cloud.

Climkit

To simplify billing via ZEV, we offer an interface to Climkit. Retrieve data from Solar-Log™ using the Climkit software.

Data loggers from third-party suppliers

Monitor data loggers from competitors just like a Solar-Log™. Devices from the manufacturers listed below require an FTP or MQTT interface to be compatible with WEB4. Information about compatible series can be found in our online help.

Huawei Data Logger

Compatible series:

- Smartlogger

Meteocontrol Data Logger

- blue'Log X-Serie (XM / XC)

Info:

A FTP licence from Meteocontrol is required for this.

Protocols

FTP   MQTT   API

Features Solar-Log WEB Enerest™ 4

Security

- 3-fold replication of all data in the EU
- Modern encryption methods for your data and accesses
- Flexible authorisation concept for users
- Data is backed up several times a day
- 2-factor authentication

Monitoring

- Create unlimited monitoring rules
- Control centre: central overview of your portfolio

- Detects deviations in MPP trackers and strings
- Communication monitoring between the portal and components
- Archive for alarms and mass archiving
- Convert alarms to tasks for tracking purposes
- Real-time updates in browser
- Event monitoring for battery storage and meters
- Graphs with relevant data at the time of the alarm

Task list

- Task management per plant
- Comment feature
- Progress overview
- Link to monitoring for converted errors
- Individual tasks

Visualisation

Analysis

- 10+ Enerest views
- Build your own views
- Compare components across plants
- Zoom and download
- Control possible via keyboard
- Views for day, month, year and total
- Analyse several days in a row

Pinboards and slideshows

- Build your own views
- Set as home page
- Choose from 65+ widgets
- Display pinboards on your website or external monitors
- Slideshow of multiple pinboards
- Share pinboards, access without login possible

Data studio

- KPIs: Specific yield (day, month, year), technical availability (day, month, year)
- Events for all connected components
- Value matrix (raw data)
- Power management regulations
- Data download

Reporting

- Balance report
- Inverter yields
- KPIs
- Daily alarm report
- Download as PDF
- Send as email
- Create your own templates

Administration

- Plant, fleet and user administration
- Monitoring settings
- Configuration of module fields
- KPI and financial settings
- Flexible assignment of users to assets and fleets
- Create virtual plants
- Continuous documentation of significant changes (timeline)
- Remote commands (firmware updates, diagnostic files, ...)
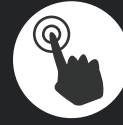- Support features

Other functions

- API for developers
- Compatibility with data loggers from other manufacturers
- Remote configuration (HTTP transfer only)
- Customised portal colours and logo
- Smartphone and tablet compatibility
- White and dark mode
- Download the free Enerest ToGo app

Added value and benefits

Complex data made understandable

Create your own views with which you can meet your plants' individual requirements. Inverters, MPPT, strings and battery storage are just a few of the compatible components.

High level of customisation

You decide on the colours, plant groupings, portal logo or your workflow. Your own homepage and individual views are just some of the possibilities.

One portal, many data loggers

Work with data loggers from many manufacturers with Solar-Log WEB Enerest™ 4. Error detection and analyses with the Solar-Log™ tools.

Enerest ToGo: Monitoring and service on the move

Our mobile monitoring and service app can be downloaded free of charge for Apple and Android devices. Monitoring with notifications and creating PV systems on the web made easy.

Reliably minimise yield losses

As an installer and service provider you can reliably protect your PV investments and minimise your customers' yield losses.

Free updates

We publish new features and bug fixes at regular, 1 to 2-week intervals. We're continuously developing Solar-Log WEB Enerest™ further.

Solar-Log Daten bleiben in Europa

Um deutsche bzw. europäische Datenschutz- und Sicherheitsstandards einhalten zu können, bleiben alle Daten, die an unser Portal gesendet werden in Europa.