Remote monitoring

EN

The power supply is equipped with an additional Ethernet module with a 10Base-T/100Base-TX interface to connect to the Internet. Such a configuration enables the remote monitoring of the Voice Alarm System over the Internet from anywhere.

Main features:
- Built-in powerful web server
- Online remote monitoring of operating parameters for a period of around 100 days: voltage, current, and the resistance in the battery circuit
- Event log of up to 32768 power system failures
- Automatic email notifications about power failures
- SSL email encryption
- Remote battery test
- The battery operating temperature readings from the period up to 5 years
- Communication using the MODBUS protocol - a list of registers is available
- A real-time clock (RTC) with battery backup
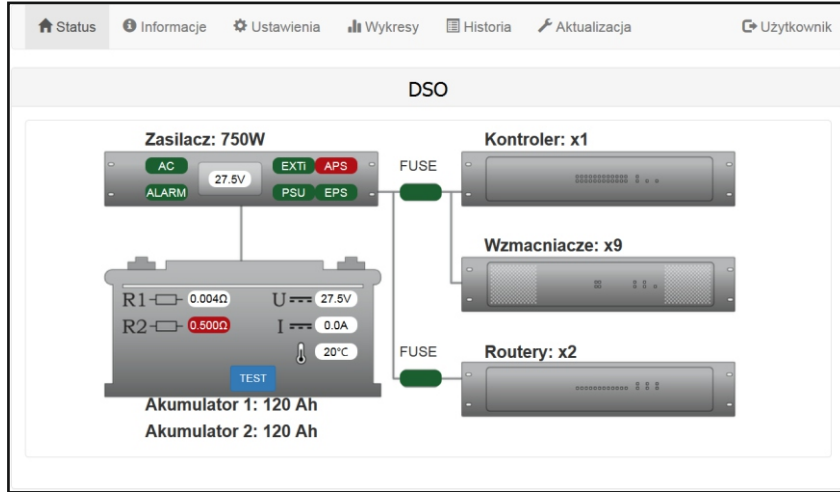- RTC synchronization with external NTP server

The Ethernet module has a built-in powerful web server that allows remote monitoring of the current status of the power supply in the browser of any PC computer. In addition, an automatic email alert is available. The messages contain information about the current errors, e.g.: "No AC power", "High resistance in the battery circuit", "AUXn fuse failure", etc., with the exact time of failure. In addition, each event contains additional information in the form of technical parameters recorded at the time of occurrence.

Time periods between alerts and types of initiating events are individually configured by the user.

Remote monitoring

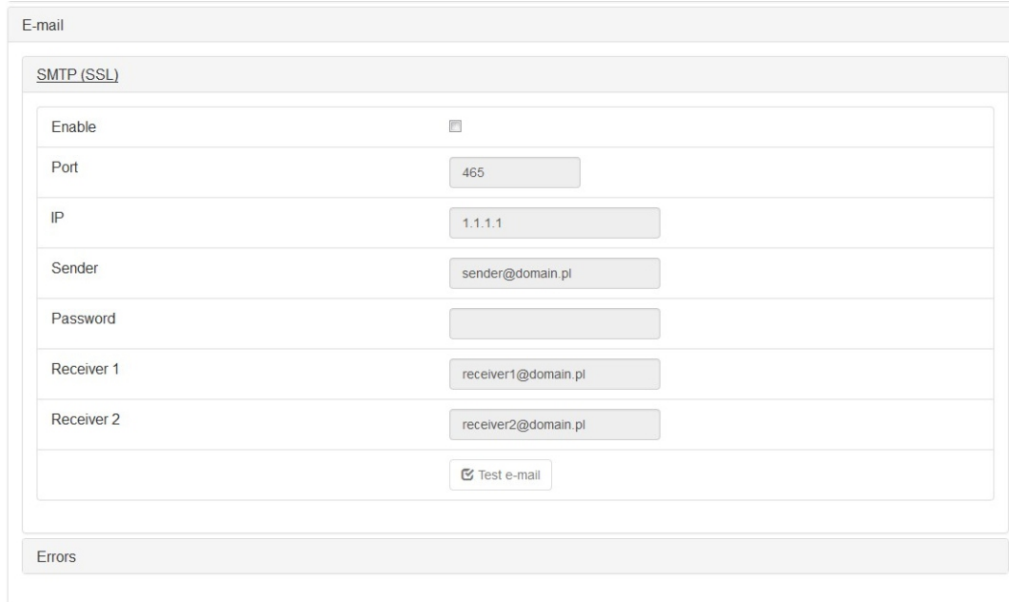The main screen view.

The operation history diagram.

The event log.

E-MAIL messages

The DSO power supply allows to send email notifications to 2 recipients when a specific event occurs. The function includes SSL-encrypted SMTP user authentication to maintain the security of your mail account.
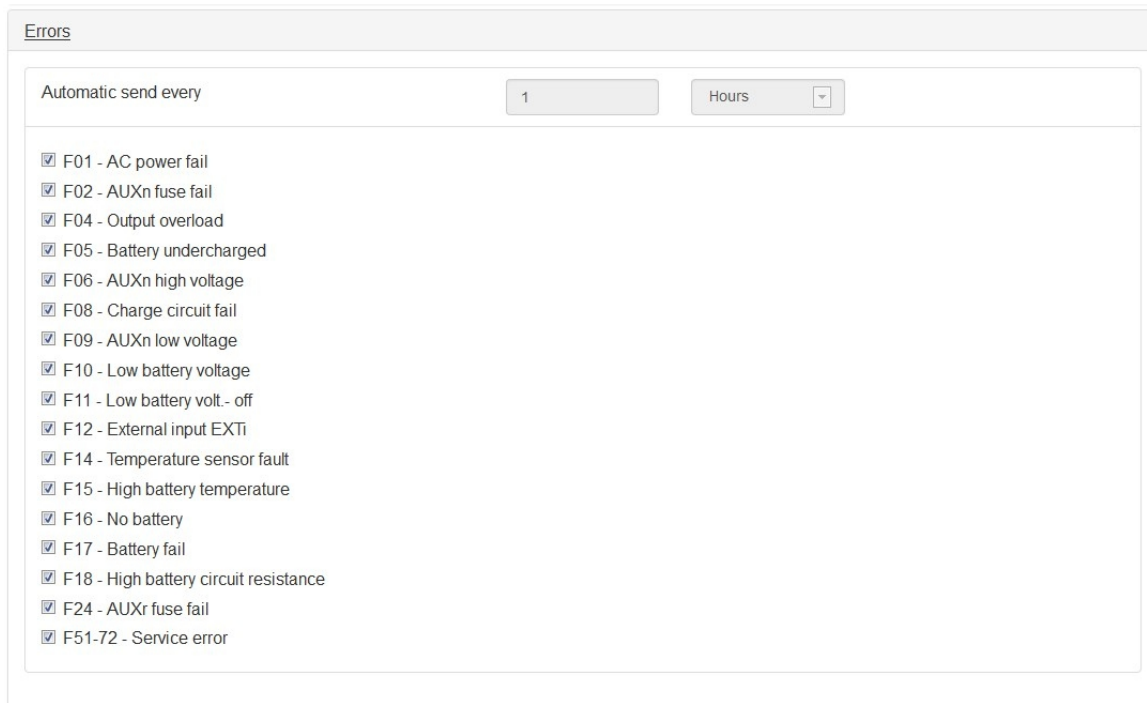
E-mail	
SMTP (SSL)	
Enable	☐
Port	465
IP	1.1.1.1
Sender	sender@domain.pl
Password	
Receiver 1	receiver1@domain.pl
Receiver 2	receiver2@domain.pl
	☑ Test e-mail
Errors	

The program allows choosing events, which will initiate notification sending. When an email notification event occurs, the power supply will send the message to the recipients after the time set in the "send automatically" field. A full list of events is shown in the window below.

Errors

Automatic send every   1   Hours ▼

- ☑ F01 - AC power fail
- ☑ F02 - AUXn fuse fail
- ☑ F04 - Output overload
- ☑ F05 - Battery undercharged
- ☑ F06 - AUXn high voltage
- ☑ F08 - Charge circuit fail
- ☑ F09 - AUXn low voltage
- ☑ F10 - Low battery voltage
- ☑ F11 - Low battery volt.- off
- ☑ F12 - External input EXTi
- ☑ F14 - Temperature sensor fault
- ☑ F15 - High battery temperature
- ☑ F16 - No battery
- ☑ F17 - Battery fail
- ☑ F18 - High battery circuit resistance
- ☑ F24 - AUXr fuse fail
- ☑ F51-72 - Service error