

# *LocalView*

Installation and operating manual 

Manuel d'installation et d'utilisation 

Manuale di installazione e uso 

# CERTIFICATE AND CONDITIONS OF WARRANTY

This SOCOMEC continuous power system is guaranteed against any manufacturing and material defects.

The period of validity of the warranty is 12 (twelve) months from the date of commissioning, if activation is carried out by SOCOMEC personnel or personnel from a support centre authorised by SOCOMEC, and no more than 15 (fifteen) months from the date of shipment by SOCOMEC.

The warranty is valid throughout the country. If the UPS is exported abroad, the warranty will only cover of the parts used to repair the fault.

The warranty is valid ex-works and covers labour and parts used to repair the fault.

The warranty shall not apply in the following cases:

- Failure due to accidents or force majeure (lightning, floods, etc.);
- Failure due to negligence or improper use (use outside tolerance limits: temperature, humidity, ventilation, electric power supply, applied load, batteries);
- Insufficient or inadequate maintenance;
- Attempted maintenance, repairs or modifications not carried out by SOCOMEC personnel or personnel from a support centre authorised by SOCOMEC.
- If the battery has not been recharged in accordance with the terms indicated on the packaging and in the manual, in cases of extended storage or UPS inactivity.

SOCOMEC may, at its own discretion, opt for the repair of the product or the replacement of the faulty or defective parts with new parts or used parts that are equivalent to new parts with regard to functions and performance.

Defective or faulty parts replaced free of charge shall become the property of SOCOMEC.

Replacements or repairs of parts and any modifications to the product during the warranty period will not extend the duration of the warranty.

SOCOMEC shall not be responsible for damages under any circumstances (including and without limitations, damage for loss of earnings, interruption of activity, loss of information or other financial losses) resulting from the use of the product.

These conditions are subject to Italian law. Any disputes fall under the jurisdiction of the Court of Vicenza.

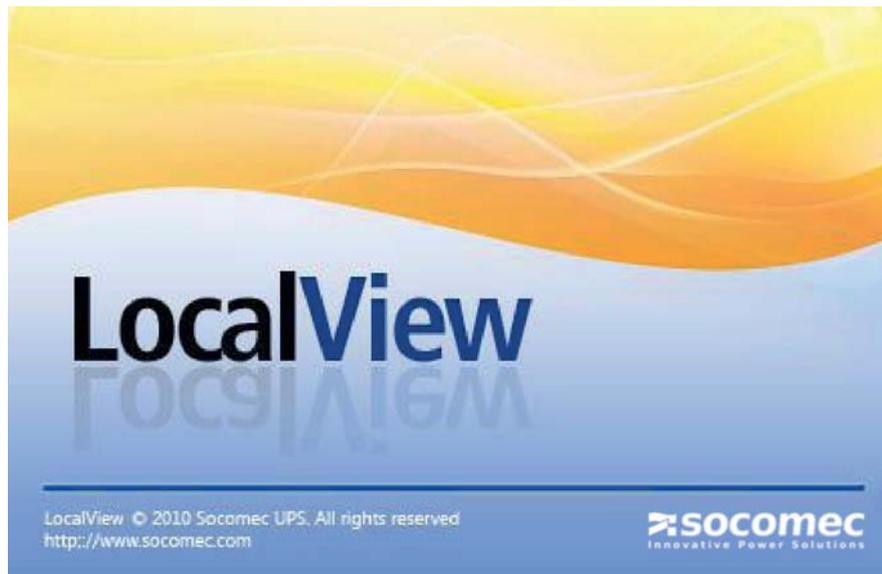
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# 1. SUMMARY



## UPS monitoring

- Simple user interface
  - UPS status
  - Battery status and measurements
  - Load status and measurements
- Expert level access for:
  - UPS events history log
  - Measurements history log
  - Configuration
    - Email notification
    - Shutdown procedure
    - Miscellaneous (language, serial port, log filter)

## Alert notification via email

- Simple user interface
- Multiple recipients

## Automatic Shutdown procedure

- Event selection
- Batch and shutdown timing

## UPS communication with the PC

- RS232
- USB
- Network

## 2. INSTALLATION PROCEDURE



Before installation it is advisable to check your MS Windows® version, HW compatibility, and operating system is updated if necessary.

### 2.1. PC HW COMPATIBILITY

LocalView is compatible with 32 and 64 bit  $\mu$ Processors architecture.

The connection with the UPS requires a serial port: real RS232 com port or via USB converter or Ethernet connection.

### 2.2. WINDOWS VERSION

It is advisable to install the latest packages and patches for the MS Windows® version used.

### 2.3. USER ACCOUNT AND ADMIN RIGHTS

**It is necessary to install the software with Administrator account or user account with Admin rights.**

If the UAC service is enabled, a warning popup is displayed during installation or update.

If Expert program is running under a user session without Admin rights, it is not possible to change parameters or settings. LocalView service will run with current settings.

### 2.4. .net COMPATIBILITY VERSION

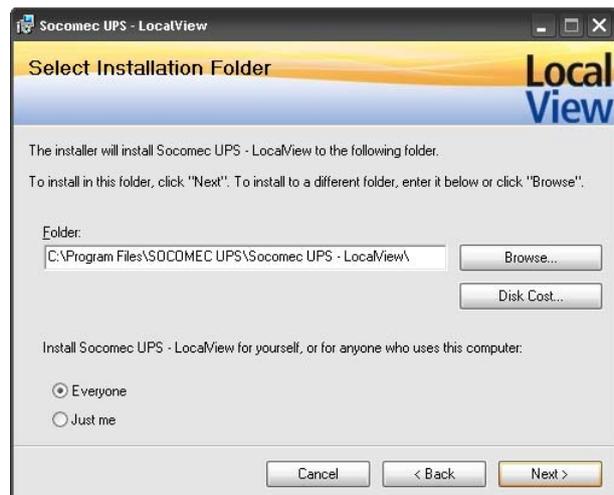
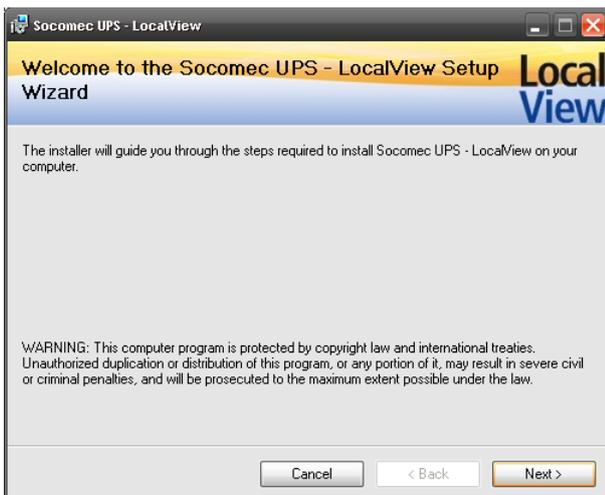
LocalView requires .net 4 package or above (Microsoft .Net Framework 4.0 Client Profile is automatically installed during Setup procedure, if not present on the machine).

### 2.5. RUNNING setup.exe

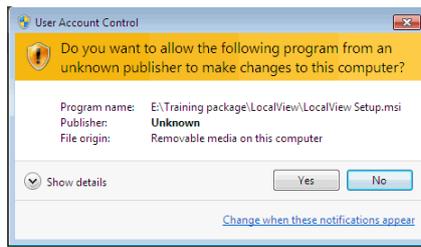
The installation program is split into 2 packages: x86 for 32b  $\mu$ P and x64 for 64b  $\mu$ P.

Each package includes: - msi package  
- setup program

Execute **setup.exe** to install the software on your computer:



It is necessary to confirm the installation process when UAC service is enabled:



### 2.6. CONNECTING THE UPS TO THE PC VIA THE RS232 CABLE



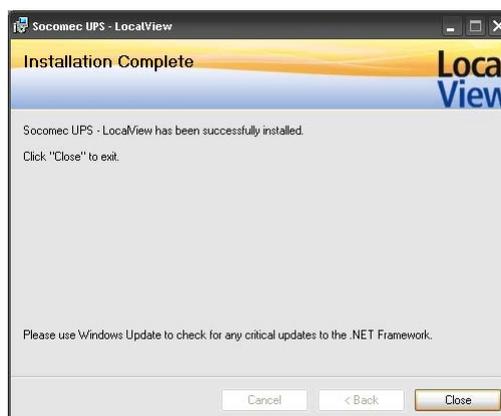
The setup program requests connection to the UPS before completing the installation.

If the connection is not made at this step, the communication port settings have to be implemented manually, or via the upgrade / repair process.

At the end of installation, LocalView automatically detects and commences communication with the UPS.



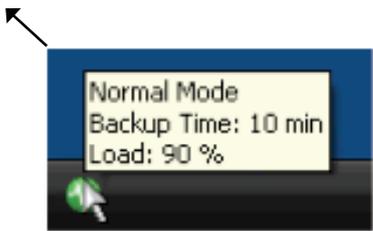
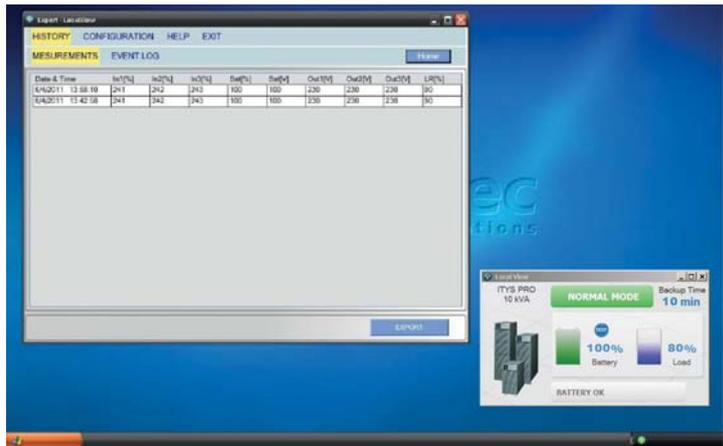
Communication with the UPS starts with a delay of several seconds. It is possible for the graphical user interface to be empty during this delay.



LocalView detects the MS Windows® language automatically, and sets the user interface with the current language. If the MS Windows® language is not automatically recognised, the user interface switches to English.

### 3. RUNNING LOCALVIEW

- **LocalView service manages:**
  - Communication with the UPS
  - Automatic shutdown procedure
  - Email notification
  - Measurements and Events log
- **LocalView has 2 user interfaces:**
  - Simple graphical user interface with status notification via balloons in the Systray area.
  - Expert user interface for configuring and accessing the history log.



#### 3.1. STARTING THE APPLICATION

Select  menu, and click on :



Select  LocalView to open the user interface:

The graphical user interface opens, and the LocalView icon  is added to the Systray area.



# 4. OVERVIEW

## 4.1. SERVICE AND UPS STATUS

When LocalView is running, an icon is present in Systray area.  
Icon colour defines the service and UPS status, for example:



Status	Icon	Balloon message
Service stopped		Service Stopped
No communication with UPS		No communication with UPS
Shutdown procedure in progress		Shutdown procedure in progress
IMMINENT STOP / UPS OFF		UPS Off or Imminent Stop
ON BYPASS /ALARM PRESENT		Alarm Present or On Bypass
NORMAL MODE / eco mode		Normal Mode
Rollup message	<div style="border: 1px solid black; padding: 2px;">                     Normal Mode                      Backup Time: 10 min                      Load: 90 %                 </div>	UPS Status Backup time: xx mn Load: xx %

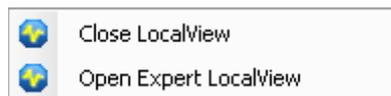
## 4.2. EVENT NOTIFICATION

Balloon notification will appear when the UPS status is changing and during the shutdown procedure.



## 4.3. CONTEXT MENU

Right click on the icon to open the context menu:



**Close LocalView** means that the service continues to run, with the email, shutdown and log process remaining active. However, notifications are no longer displayed on the screen and no longer on the Systray bar.

To restart the LocalView interface select **LocalView** from the <START> menu.

# 5. USER INTERFACE

1	UPS REFERENCE	
---	---------------	--

Name and picture of the UPS connected to the PC.

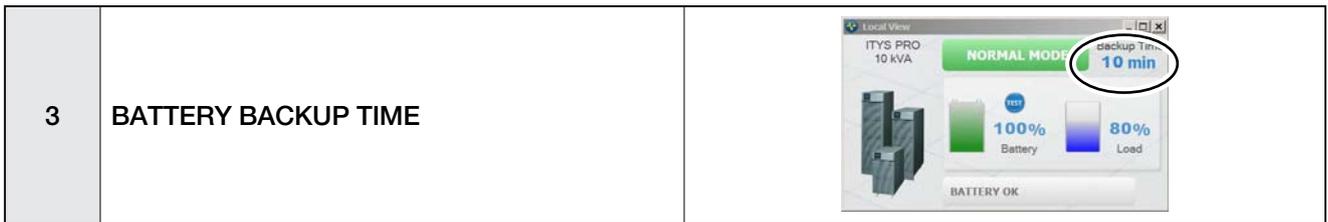
LIST OF UPS SYSTEMS
MODULYS 1/1
NETYS PE
NETYS PL
NETYS PR
ITYS
NETYS RT

Note: the UPS picture is approximate and may differ from the actual UPS connected to the PC.

2	UPS STATUS	
---	------------	---

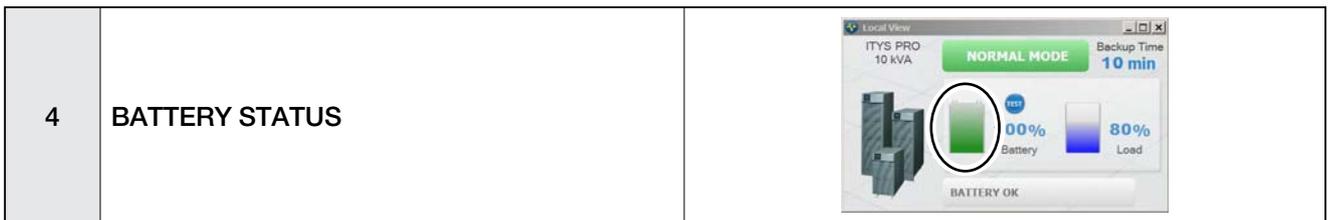
Status	Type of info	Reason
	Alarm	The UPS output will be switched OFF due to a critical alarm <sup>(1)</sup>
	Alarm	AC failure
	Status	PC powered by the mains, and Inverter automatically switched on when AC failed
	Status	PC powered by mains <sup>(1)</sup>
	Status	PC protected by UPS <sup>(1)</sup>
	Status	PC not powered, and awaiting reactivation
	Status	PC not supplied <sup>(1)</sup>

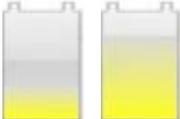
(1). Not available for Netys PE and Netys PL



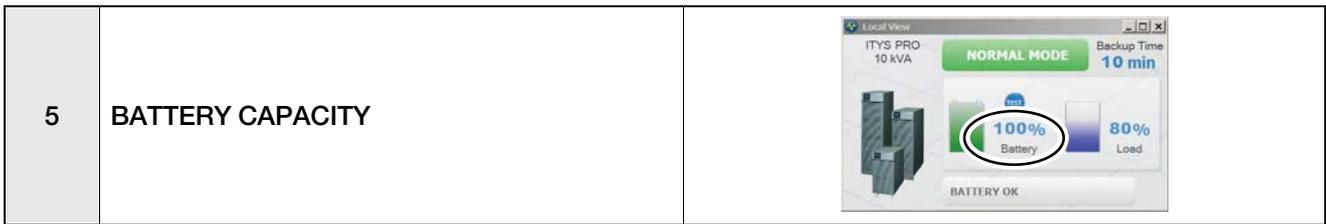
The remaining backup time is displayed in minutes, and automatically updated when the value changes.

Depending on the UPS range, backup time is only calculated when the UPS switches to the battery; otherwise the value is not displayed.

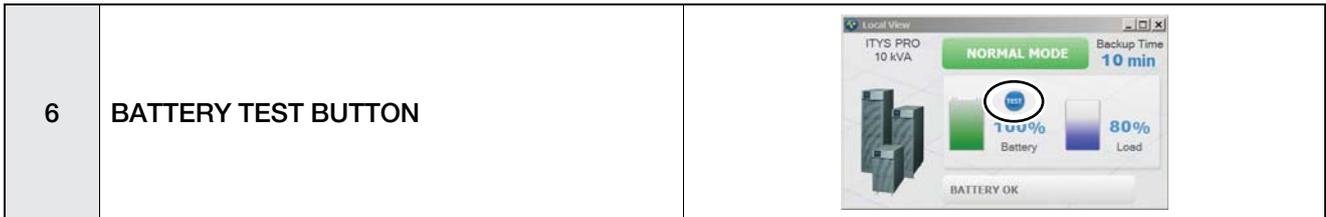


Symbol	Status	Value
	Battery not connected or UPS ON BYPASS <sup>(1)</sup>	
	BATTERY LOW BATTERY DISCHARGED <sup>(1)</sup>	
	BATTERY DISCHARGING	
	BATTERY CHARGING <sup>(1)</sup>	
	BATTERY CHARGED <sup>(1)</sup>	The level represents the % capacity. From 60 to 100%.

(1). Not available for Netys PE and Netys PL.



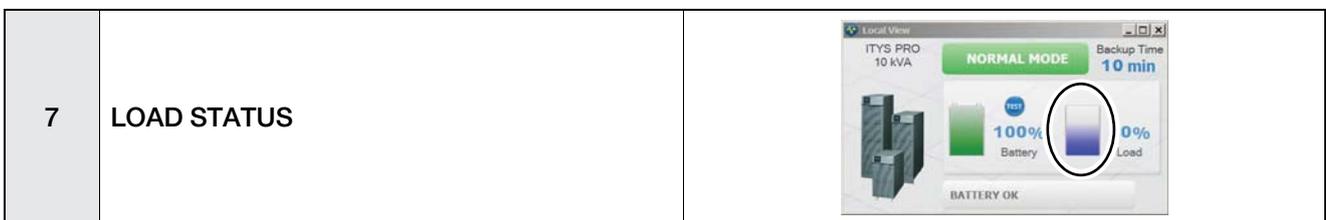
The battery capacity (in %) is displayed if the measurement is calculated by the UPS, otherwise the battery voltage is displayed.



LocalView can test the battery. If  isn't available, battery testing is not possible or has been disabled by the UPS. The battery test status and results are displayed on the ALARM bar (8).

BATTERY STATUS
Battery OK <sup>(1)</sup>
Battery alarm
Battery Test alarm <sup>(1)</sup>
Battery test in progress

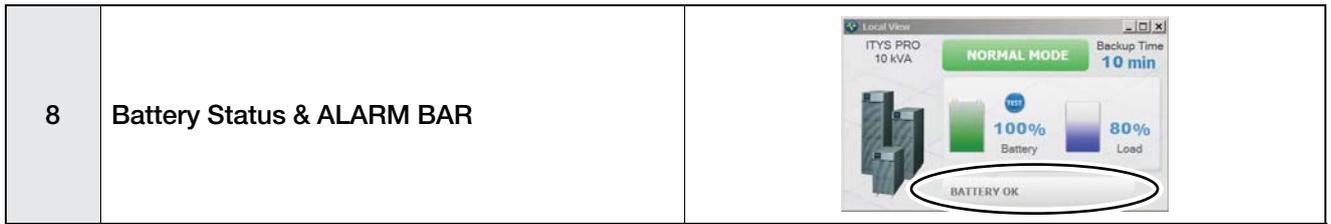
(1). Not available for Netys PE and Netys PL.



The blue tank represents UPS load rate %:  
In overload, the tank is yellow if Load rate > 90% :



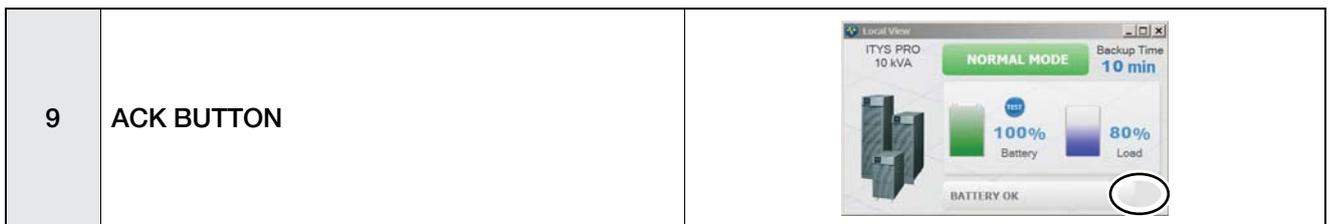
The tank is red if Load rate is > 120%.



When a UPS alarm occurs it is displayed and the Alarm ACK button appears . In the event of several alarms, they are displayed consecutively.

LIST OF ALARMS
END BACKUP TIME
BATTERY ALARM
GENERAL ALARM
OVER TEMPERATURE <sup>(1)</sup>
OVERLOAD <sup>(1)</sup>

(1). Not available for Netys PE and Netys PL.



When a new alarm occurs the buzzer sounds on the UPS. Selecting sends a command to stop the buzzer. Example of the User Interface with a general UPS alarm:

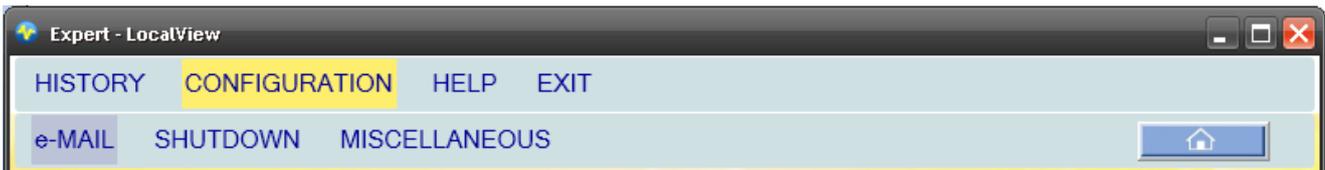


# 6. EXPERT

## 6.1. MENU NAVIGATION



- Accesses the measurements history
- Accesses the event log (Status and Alarms)



- SMTP and Email configuration
- PC Shutdown configuration
- Language selection
- Log filter and sample settings
- UPS communication port settings
- Automatic update settings



- Accesses the user manual (this document)
- Sends us feedback, suggestions for improvements or questions about LocalView
- Displays the current version running on your PC.



closes the sub menu.

## 6.2. EVENT LOG

LocalView creates a history log with the most important statuses and alarms. Each new event is dated and stored in a file.

A screenshot of the 'Expert - LocalView' application window showing the 'EVENT LOG' section. The window title is 'Expert - LocalView'. The menu bar contains 'HISTORY', 'CONFIGURATION', 'HELP', and 'EXIT'. The secondary menu bar contains 'MEASUREMENTS', 'EVENT LOG', and a home icon button. On the left, there is a 'FILTER' section with radio buttons for 'Today', 'Last 7 days', 'Last 30 days', and 'All'. Below it is a 'DATA' section with an 'EXPORT' button. The main area displays a table with three columns: 'Date & Time', 'Event', and 'Status'. The table contains 20 rows of event data.

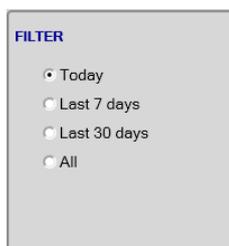
Date & Time	Event	Status
6/4/2011 17:16:53	Off	No
6/4/2011 17:16:42	Normal Mode	No
6/4/2011 17:16:30	End Backup Time	No
6/4/2011 17:16:10	Overload	No
6/4/2011 17:16:10	Over Temperature	No
6/4/2011 17:16:10	Battery Alarm	No
6/4/2011 17:16:10	Imminent Stop	No
6/4/2011 17:15:50	General Alarm	No
6/4/2011 16:25:31	End Backup Time	Yes
6/4/2011 16:21:58	Imminent Stop	Yes
6/4/2011 16:21:35	Imminent Stop	No
6/4/2011 16:20:51	Imminent Stop	Yes
6/4/2011 16:20:16	Over Temperature	Yes
6/4/2011 16:19:53	Overload	Yes
6/4/2011 16:19:27	Battery Alarm	Yes
6/4/2011 16:19:07	General Alarm	Yes
6/4/2011 16:15:27	Overload	No
6/4/2011 16:15:07	General Alarm	No
6/4/2011 16:15:07	Battery Alarm	No
6/4/2011 16:14:32	Overload	Yes
6/4/2011 16:14:16	Battery Alarm	Yes
6/4/2011 16:14:04	General Alarm	Yes
6/4/2011 15:52:58	Battery OK	Yes

## LIST OF EVENTS STORED:

STATUS	TYPE
Imminent Stop	ALARM
On Battery	ALARM
End Backup Time	ALARM
Battery Alarm	ALARM
General Alarm	ALARM
Over Temperature	ALARM
Overload	ALARM
Battery Test Alarm	ALARM
Battery Test In Progress	STATUS
Battery OK	STATUS
eco mode	STATUS
Bypass Mode	STATUS
Normal Mode	STATUS
Standby Mode	STATUS
Off	STATUS

Note: not all events are available for Netys PE and Netys PL.

## EVENTS FILTERING



It is possible to select different event periods, such as :

**Last 7 days** shows events recorded for the last seven days.

**All** disables the current filter.

## EXPORT

This option saves the entire event log in CSV format to the local disk. It is possible to open this file in Excel for diagnostic purposes if required. It can also be used as backup.

The recommended default file name is: EventsLog\_ddMMyy\_HHmm.csv, where dd = day; MM = month; yy = year, HH = hour (24h format); mm = minutes.

### 6.3. MEASUREMENTS HISTORY

Date & Time	V In L1	V In L2	V In L3	Bat [%]	V Bat	V Out L1	V Out L2	V Out L3	Load [%]
04/05/2011 10:04:59	241	242	243		56	230	230	230	90
04/05/2011 10:03:59	241	242	243		56	230	230	230	90
04/05/2011 10:02:59	241	242	243		56	230	230	230	90
04/05/2011 10:01:59	241	242	243		56	230	230	230	90
04/05/2011 10:00:59	241	242	243		56	230	230	230	90
04/05/2011 09:59:59	241	242	243		56	230	230	230	90
04/05/2011 09:58:59	241	242	243		56	230	230	230	90
04/05/2011 09:57:59	241	242	243		56	230	230	230	90
04/05/2011 09:56:59	241	242	243		56	230	230	230	90
04/05/2011 09:55:59	241	242	243		56	230	230	230	90
04/05/2011 09:54:59	241	242	243		56	230	230	230	90
04/05/2011 09:53:59	241	242	243		56	230	230	230	90
04/05/2011 09:52:59	241	242	243		56	230	230	230	90
04/05/2011 09:51:59	241	242	243		56	230	230	230	90
04/05/2011 09:50:59	241	242	243		56	230	230	230	90
04/05/2011 09:49:59	241	242	243		56	230	230	230	90
04/05/2011 09:48:59	241	242	243		56	230	230	230	90
04/05/2011 09:47:59	241	242	243		56	230	230	230	90
04/05/2011 09:46:59	241	242	243		56	230	230	230	90
04/05/2011 09:45:59	241	242	243		56	230	230	230	90

#### LIST OF MEASUREMENTS STORED:

Measurements	Format	Units
UPS Load Rate	0 – 150	%
Output voltage	L1 for phase 1 L2 and L3 for 3 UPS phases	Volts (V)
Battery capacity	0 – 100	%
Battery voltage	number	Volts (V)
Input voltage	L1 for phase 1 L2 and L3 for 3 UPS phases	Volts (V)

The number of samples depends on logging details (set in configuration page)

Default setting: Records by WEEK, 10 minute sampling.

The oldest record is replaced with the newest (FIFO). Maximum no. of records allowed: ~ 1500.

#### EXPORT

This option saves the entire measurements history in CSV format to the local disk. It is possible to open this file in Excel for diagnostic purposes if required. It can also be used as backup.

The recommended default file name is: MeasLog\_ddMMyy\_HHmm.csv, where dd = day; MM = month; yy = year, HH = hour (24h format); mm = minutes.

## 6.4. EMAIL CONFIGURATION

LocalView can send notification according to different events. It is possible to select events, level of criticality and up to 8 recipients. This process is managed by the service. It is not necessary to have the User Interface open.

The screenshot shows the 'Expert - LocalView' configuration window. The 'E-MAIL' tab is selected. The window is divided into three main sections: SMTP CONFIG, EVENTS, and RECEIVERS.

**SMTP CONFIG:** Fields for Server (192.168.211.1), Port (25), Account (LocalView@socomec.com), Authentication (unchecked), and Password.

**EVENTS:** A table with columns 'Enabled', 'Event', and 'Alarm Criticality'. The 'On Battery' event is checked and has an 'Info' criticality. Other events include Overload, Over Temperature, General Alarm, Battery Alarm, Battery Discharged, Imminent Stop, and On Bypass, all with 'Info' criticality.

**RECEIVERS:** Fields for Delay (min) and Interval (h), both set to 0. A 'Send an testing email' button is present. Below is a table for adding recipients with columns 'Receiver Address', 'Description', and 'Minimum Alarm Criticality'.

Buttons for 'SAVE' and 'CANCEL' are at the bottom.

### SMTP CONFIG

Defines mail server network configuration

In the case of a company mail server

In the case of external providers' mail server

Account configuration

### EVENTS

Click inside the box to enable the event that will send an email.

### RECIPIENTS

The recipient address format is: name@domain

The description field is only for information, it is not included in the email body.

Level of criticality: **Info** = All enabled events

**Warning** = Warning + Critical events

**Critical** = only Critical events

### SEND A TEST EMAIL

Sends a test email to check the mail server configuration (SMTP)

## SAVING OR CANCELLING THE SETTINGS



It is necessary to save the settings to make them active.

## ALARM CRITICALITY MANAGEMENT

The different levels are :

- Info
- Warning
- Critical

The recipient will only receive an email event from the minimum level for example:

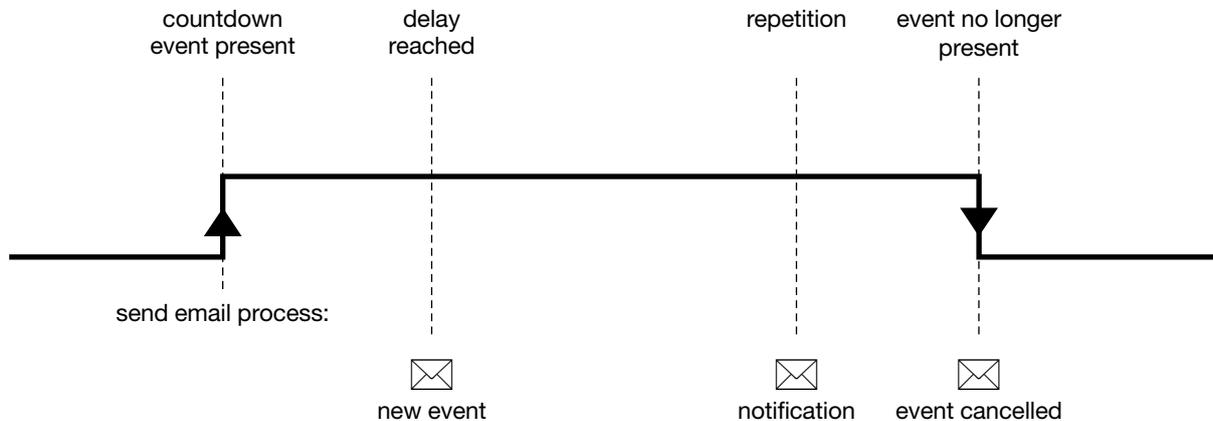
- Critical = Only Critical level
- Warning = Critical + Warning levels
- Info = Info + Warning + Critical levels

## DELAY MANAGEMENT

Delays and repetitions are set to 0 by default. If events occur emails are sent immediately without repetitions.

LocalView sends notification after a delay, which is set in hours. If the event is still present email notification is sent at the end of the period.

General case:



## EMAIL FORMAT

eMail subject :

- UPS New Events
- UPS Events Cancelled
- UPS Events Notification

Email message:

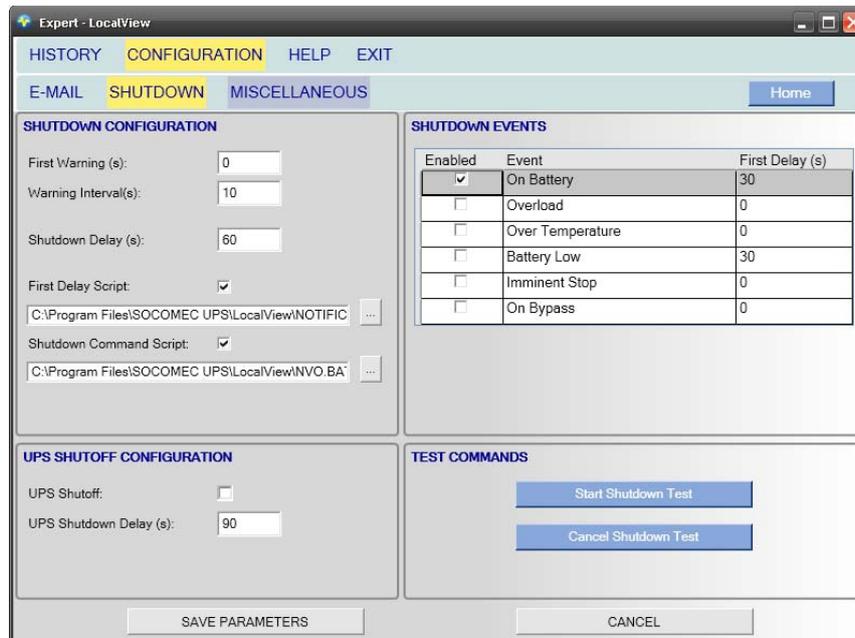
- New Events:
- Events Cancelled:
- Events Active:

## 6.5. SHUTDOWN CONFIGURATION

LocalView can shut the PC down. It is possible to select events, delays and the MS Windows® shutdown command.

This process is managed by the service. It is not necessary to have the User Interface open.

If a script or batch file is present, it should be executed before shutdown. It must be created before setting the shutdown parameters.

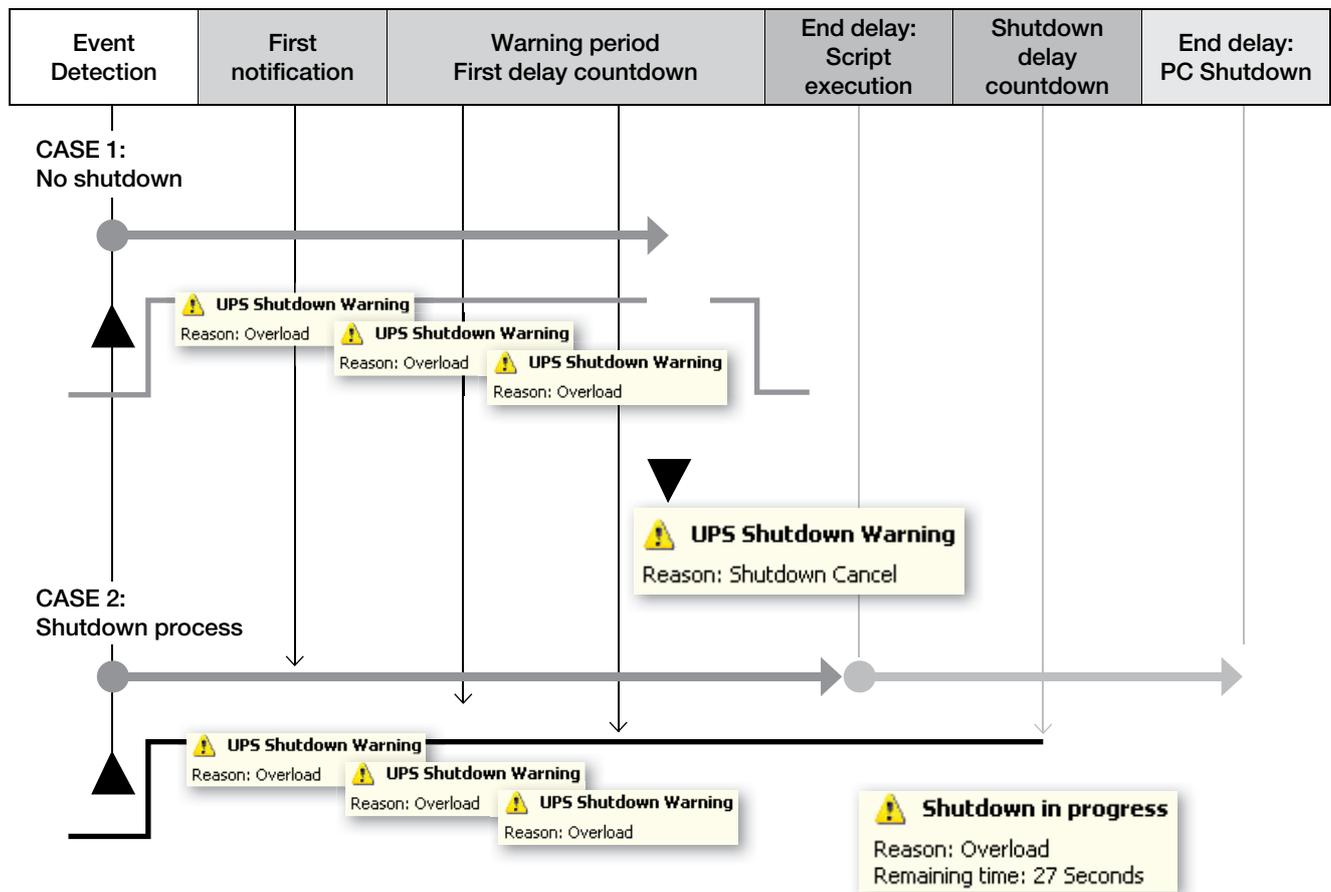


## SHUTDOWN EVENTS SELECTION

This table illustrates the PC shutdown and timing procedure.

Events	First warning delay	Warning interval	Delay before executing the script	Delay before OS shutdown
On battery / AC failure	Value in seconds. It should be $\leq$ First Delay (s)	Value in seconds. It should be $\leq$ First Delay (s)	First delay	Shutdown delay
Battery discharged				
Over temperature				
Overload				
On bypass				
Imminent stop				
			0 = Immediate Range from 1' to 60'	

### SHUTDOWN TIMING



### SCRIPT SETTINGS

First Delay Script:

...

Click on the box to activate this function.  
 Select the script/batch file to be executed via the file explorer.

### SHUTDOWN COMMAND

Shutdown Command Script:

...

Click on the box to enable MS Windows® shutdown.  
 Select the script/batch file to be executed via the file explorer.  
 (Standard MS Windows® command: **shutdown -s -t 00**  
 See **shutdown /?** command for more info.)

## UPS SHUTOFF

LocalView sends a delayed UPS shutoff command when the PC starts to shut down. The UPS shuts off when the countdown is completed. This function isn't available for all UPSs (Refer to your UPS manual).

*Note: Netys PE and Netys PL only manage minutes for shutdown. Consider the following table for seconds to minutes conversion.*

Shutoff delays (s) range	Minutes
$0 \leq \text{shutoff delay} < 90$	1
$90 \leq \text{shutoff delay} < 150$	2
$150 \leq \text{shutoff delay} < 210$	3
$210 \leq \text{shutoff delay} < 270$	4
$270 \leq \text{shutoff delay} < 330$	5
$330 \leq \text{shutoff delay} < 390$	6
$390 \leq \text{shutoff delay} < 450$	7
$450 \leq \text{shutoff delay} < 510$	8
shutoff delay > 510	9

## TEST SHUTDOWN PROCEDURE

LocalView checks the procedure and timing via AC Failure/ On battery status simulation.

It is possible to cancel this procedure during the shutdown countdown.

The UPS shutoff will not be executed in this case for safety reasons.

## USER NOTIFICATION

Balloon indicates the status and remaining backup time during the shutdown countdown:

UPS Shutdown Warning

Shutdown in progress

UPS Shutdown Cancelled

Shutdown Cancelled Reason:

Remaining time: (in minutes)

## SAVING OR CANCELLING THE SETTINGS

SAVE

stores the shutdown settings

CANCEL

keeps the current shutdown settings

It is necessary to save the settings to make them active.

## 6.6. USER CONFIGURATION – MISCELLANEOUS



### LANGUAGE

The User Interface goes to English by default if LocalView does not recognise the MS Windows® language. It is possible to change the language by selecting a flag.

### FILTER

The filter defines the period and sample time for measurements history.

Detailed record table:

Sample in minutes	DAY	WEEK	MONTH
1	1440		
2	720		
5	288		
10	144	1008	
20	72	504	
30	48	336	1488
60	24	168	744

### COMMUNICATION PORT

In the case of a UPS port connection change on your PC, it is possible to change the communication settings. Use the Autodiscovery procedure for automatic settings, or manually select the right communication port and settings.

- Select the interface:

- USB for NETYS UPS range

The protocol is set to PH

- Serial for other UPS models

- Select the Protocol and serial configuration:

Select the protocol: JBUS-P

Slave ID: set to 1 by default

COM speed: 9600 by default.

- ETH (Ethernet)

- Select the protocol: VU-MAP for ITYS PRO

- IP address of the UPS

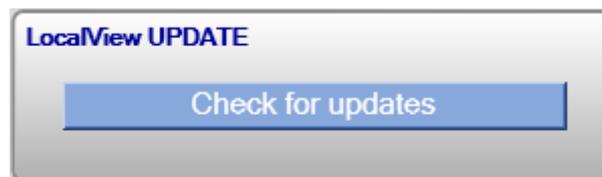
- Port: 1025

## SAVING OR CANCELLING THE SETTINGS



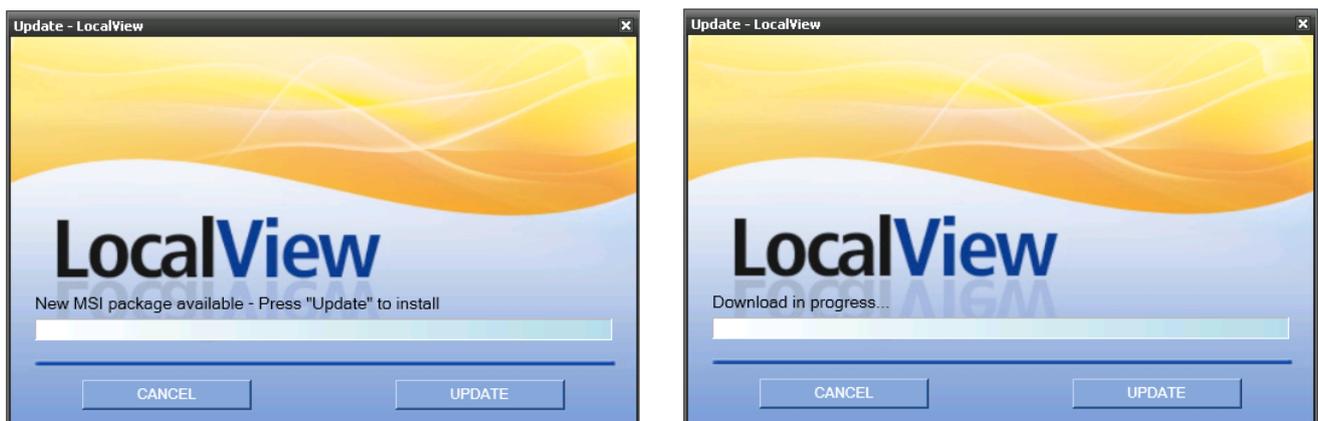
## AUTOMATIC UPDATE

This function sends a request to the SOCOMEC FTP server to check if a new release of LocalView is available. The FTP connection needs an Internet connection, and the FTP port should be accessible by firewall and anti-virus software.

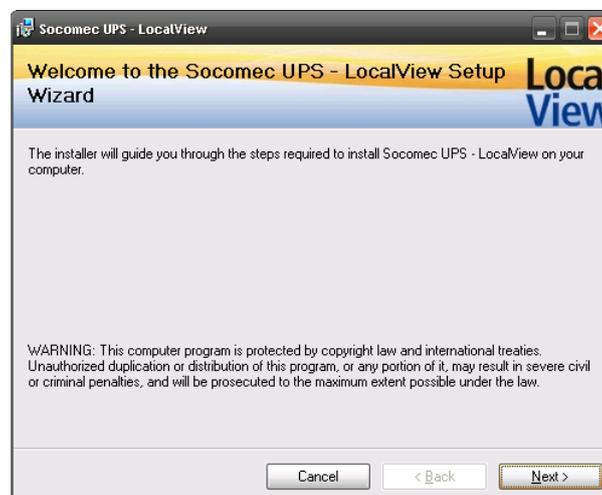


If nothing happens after checking for updates this means the latest software release is present and there is no update available.

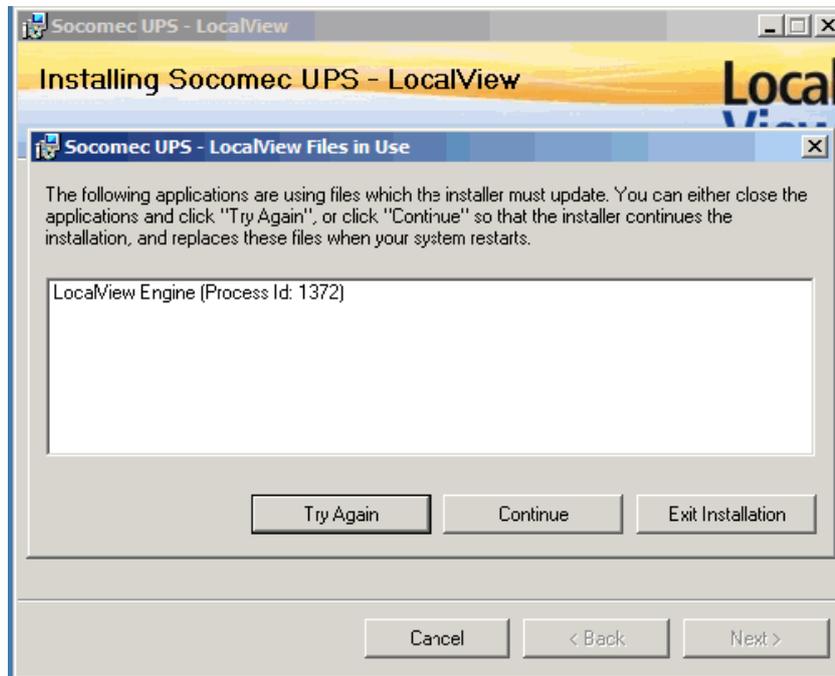
## UPDATE PROCESS



At the end of the process the setup program is launched automatically :



If during Setup a 'LocalView file in use' window appears (in the case of Windows Vista, Windows 7, Windows 2003, Windows 2008), as shown below ignore it and click the Continue button.



# 7. TROUBLESHOOTING

There is no data on the user interface

Case 1

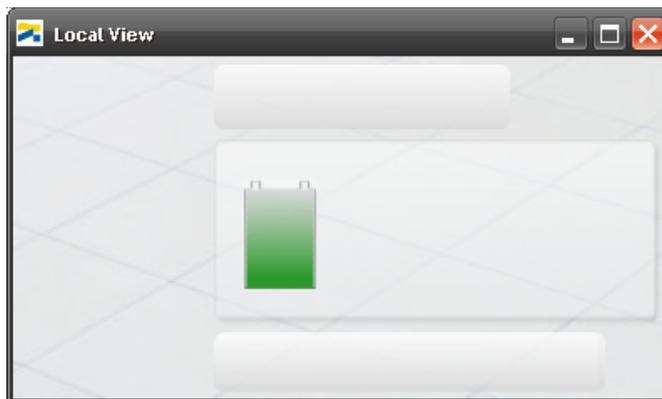


LocalView service is not started

Case 2



Case 3



LocalView service running but not communicating with the UPS

**The LocalView icon is blue**

No communication with UPS. Check the cable, communication setting and UPS connection.

**There is no  button**

Battery testing is not available or has been disabled by the UPS

**When I click on the  nothing happens**

The battery test has been cancelled or suspended by the UPS

**When I click on  the buzzer still sounds on the UPS**

It is possible that a new alarm is occurring at the same time. The buzzer must be stopped directly on the UPS.

**There is no  button**

The command has been sent or the alarm is no longer present

**I haven't received an email**

Check the SMTP configuration.

Test the send email function

Check that events have been enabled

**The script/batch file has not been executed**

Check if the command file is already present on the disk in the correct folder.

Manually test this script file.

Test this file with the shutdown test procedure function.

**Shutdown hasn't been completed**

Check if the shutdown command is present in the configuration page.

Manually check if the command has been executed (command script shell)

Check if the shutdown command option is correct

**I cannot start the service**

Maybe you don't have administrator rights.

If the service isn't present on the service list, remove and install LocalView again.

**The service doesn't start automatically**

Check your MS Windows® service policy. The service should be set as automatic. Try to start it manually.

**I cannot open the user interface**

The service isn't running.

Check if the LocalView shortcut is correct in the program file

**I cannot open the expert window or I cannot access the submenu**

The service isn't running.

Check if the LocalView shortcut is correct in the program file.

**I cannot change the language**

Not all languages are available. Select the UK version. If nothing changes, close LocalView and run it again.

**The log file is empty**

Maybe nothing has happened today. Select the Last 7 days or All filter option if events have been stored.

**The measurements history is empty**

Check the record sample via the configuration page and check communication with the UPS.

Click on Export if data is stored in the file.

Close LocalView and open it again.

**I cannot find the csv file**

Use MS Windows® File Explorer to find the LocalView csv file. Default folder: **user documents**.





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## YOUR DISTRIBUTOR



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