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-

NEWS

Changing from SITOP UPS Manager to SITOP Manager

SITOP UPS1600 / UPS1100

https://support.industry.siemens.com/cs/ww/en/view/109760629

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1 Introduction

The SITOP Manager is a software tool for commissioning, engineering and monitoring existing and future SITOP devices with communications interface in a customer network in online and offline mode.

The SITOP Manager consists of three modular services that can be installed and operated individually:

- 1. SITOP Manager Service (MGR)
 - Portal for commissioning, engineering and diagnostics of the SITOP UPS1600 and UPS1100.
 - Provides a web-based graphical user interface (GUI).
- 2. SITOP Shutdown Service (SDS)
 - Monitors and purposely shuts down the PC on which it is installed.
 - Provides a web-based graphical user interface (GUI).
 - This service is required at least to trigger shutdown of the PC after (buffered) power failure.
- 3. SITOP Gateway Service (GWS):
 - Required for communication with a SITOP UPS1600 with USB interface.
 - This service is installed on the PC that is connected with the SITOP UPS1600 via USB.

Chapters 2 and 3 describe the following tasks:

- Transfer of the device configuration of the SITOP UPS Manager to the SITOP Manager.
- Utilization of the functions of the SITOP UPS Manager that are also supported by the SITOP Manager.
- Utilization of the new functions in the SITOP Manager.

2 Configuration

2.1 Establish Online Connection

The SITOP Manager scans Industrial Ethernet and PROFINET networks for supported SITOP devices and establishes an online connection to the SITOP devices found in the network.

Proceed as follows to scan the network and establish the online connection.

- 1. In the header you click the "More" button to select the active network adapter.
- 2. In the footer you click the "Add" icon to add an online connection.



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🐣 Logged in as: admin 🛛 Logout	
OFFLINE Project	
There are currently	no objects loaded
O Add	
ONLINE Connections	1
There are currently	Select network adapter
O Add 2	

- 3. The "Add to the Online Connections 1/2" dialog displays all the SITOP devices with Ethernet/PROFINET interface that are available in the network.
- 4. If you have installed the Gateway Service, the SITOP devices with USB interface that are available are also displayed.
- 5. Select the objects to which an online connection is to be established.
- 6. Click the "Next" button.

Add to the Online Connections 1/			
Available objects	Refresh	•	
□ ► gateway-service-usb (UPS1600)			
□ ► gateway-service-usb (UPS1600)			
□ ▶ gateway-service-usb (UPS1600)			
✓ ► shutdown-service 5			
□ ► shutdown-service			
□ ► shutdown-service			
□ ► shutdown-service			
✓ ▶ ups1600 (UPS1600) 5		-	
	6 Ne	xt	

- 7. For the online connection to be established you enter the registration data (User and Password) in the "Add to the Online Connections 2/2" dialog. The registration data corresponds to the login data of the web server. User and password are preset as follows:
 - User: admin

_

- Password: admin
- 8. Click the "OK" button. The SITOP Manager attempts to establish an online connection to the selected objects.

Add to the Online Connections				
Available object	s			
▼ shutdown-ser	vice			
User	admin	• •		
Password	•••••			
OPC UA port	4842			
✓ ups1600 (UP)	S1600)			
User	admin			
Password	•••••			
OPC UA port	4843			
		Υ.		
		8		
		Back OK		

9. The added objects are displayed under "ONLINE Connections".

- 10. Assign a buffer component to the Shutdown Service. Enable one of the following options:
 - Via SITOP Manager: coordinated by SITOP Manager (recommended).
 - Directly: coordinated by PSU8600/UPS1600 if only the Shutdown Service without SITOP Manager is installed on the PC.

 Diagnostics 	 Object configuration 	Commissioning						
Object configurat	Object configuration » General							
General								
coordinated by	y SITOP Manager (recomme	nded)						
● via SITOP M	lanager							
As	signed buffer component	ups v S						
	SITOP Manager user	admin						
	SITOP Manager password	د						
coordinated by	y PSU8600/UPS1600							
O directly								
As	signed buffer component	0.0.0.0						
	OPC UA port	4840						
	User name	admin						
	Password							

11. The added online connections are displayed under "ONLINE Connections". When the online connection is established, the connected SITOP devices and the assignment of Shutdown Service and buffer component are displayed.

SIEMENS

🐣 Logged in as: admin	Logout	
OFFLINE Project		김동
There a	are curren	tly no objects loaded
O Add		
ONLINE Connections		
▼ shutdown-service		•
Shutdown Service	(V1.0.0)	
ups		
▼ ups		•
UPS1600 20A PN (V2.2.2)	
UPS1100 1.2Ah (V	19) [1]	
shutdown-service		
• Add		

2.2 Online Functions

2.2.1 Reset to Factory Settings

In the SITOP UPS Manager the function is in the "Device configuration" tab under "Device configuration > UPS1600".

Click the "Update list" button to have the available UPS1600 displayed.

In the "Factory settings" column you click the "Load settings" button to reset the UPS1600 to the factory settings.

Figure 2-1

SITOP UPS Manager V4.72.2 Applicat	tion				– 🗆 X
SIEMENS				SITOP UPS N	lanager
▶ General settings ▼ De	evice configuration 🕨 Har	rdware configuration	Software configuration	Diagnostics	English 💌
Device configuration		Save file	Load from file	Upload	Run update
 Device configuration Select network adapter 	UPS1600				
UPS1600	MAC address Dev	vice name IP address	Subnet mask Default gateway	Flash Factory set	ttings Save
	1 1/0-91-07-01-19-17 ups	192.106.0.4	255.255.255.0 192.106.0.4		Save cha
	٢				>
					Update list
				Local PC	🕘 UPS1600 🔴

In the SITOP Manager the function is in the menu "Diagnostics > Online functions > Reset to factory settings".

Figure 2-2

• Diagnostics	 Object configuration 	Commissioning				
Diagnostics » Onlir	Diagnostics » Online functions » Reset to factory settings					
Reset to factory s	ettings					
Reset to factory	Reset to factory settings					
	IP address	192.168.0.4				
	PROFINET device name	ups				
		Reset to factory settings				

2.2.2 Firmware Update

In the SITOP UPS Manager the function is in the "Diagnostics" tab under "Diagnostics > Online functions".

i igule 2-5					
SITOP UPS Manager V4.72.2 Appl	lication				- 🗆 X
SIEMENS				SITOP UPS N	Manager
General settings	Device configuration	lardware configuration	Software configuration	 Diagnostics 	English
Diagnostics		Save file	Load from file	Upload	Run update
 Diagnostics Pending alarms Alarm history Operating data Base Unit Energy storage Trend chart Base Unit Energy storage Online functions Firmware update 	Firmware update Firmware update			Browse	Run
				Local PC	UPS1600 🥚

In the SITOP Manager the function is in the menu "Diagnostics > Online functions > Firmware update".

Figure 2-4

Diagnostics	 Object configuration 	Commissioning					
Diagnostics » Onlir	Diagnostics » Online functions » Firmware update » UPS1600						
UPS1600							
UPS1600							
	IP address PROFINET device name	192.168.0.4 ups					
UPS1600							
		Browse					

2.3 Change and Assign Address Parameters of the SITOP Device

The following address parameters of the SITOP device can be changed during commissioning.

- IP address
- Subnet mask
- Gateway
- Device name

To change the address parameters, you enter the desired address parameters in the "Commissioning" tab.

Click the "Download" icon to load the changed parameters into the SITOP device.

Figure 2-5

Diagnostics Object	configuration	Commissioning		UP51600 20A PN (V2.2.2)
Commissioning				
Commissioning				
ups				
	MAC address	78-9F-87-01-19-1	7]
	IP	192.168.0.4]
	Subnet mask	255.255.255.0		
	Gateway	192.168.0.4		
	Object name	ups		
				_
				1
	OPC UA port	4840		
	User	admin		
	Password	•••••		

If you have changed the registration data, you enter the changed registration data in the "Commissioning" tab.

Click the "Download" icon to load the changed registration data for establishing the online connection into the SITOP device.

Figure 2-6					
Diagnostics Object	t configuration	Commissioning		UF	251600 20A PN (V2.2.2)
Commissioning					
Commissioning					
ups					
	MAC address	78-9F-87-01-19-1	7		
	IP	192.168.0.4			
	Subnet mask	255.255.255.0			
	Gateway	192.168.0.4			
	Object name	ups			
	OPC UA port	4840		_	
	User	admin			
	Password	••••			

Note The IP address of the Master PC must have been entered in the SITOP UPS Manager. This is not necessary in the SITOP Manager.

2.4 Transfer the Device and Software Configuration from the SITOP UPS Manager to the SITOP Manager

2.4.1 SITOP UPS1600 Device Configuration

In the SITOP UPS Manager you configure the SITOP UPS1600 in the "Hardware configuration" tab under "Hardware configuration > Base Unit". Note the values of the following parameters:

- Connection threshold
- Buffer time
- Additional buffer time after PC shutdown
- Expected buffer current
- Reset time
- Enable reset after buffering
- Downtime alarm
- Wait time for stable input voltage

The following parameters are no longer necessary in the SITOP Manager:

- Battery maintenance interval
- Resistor test interval

SITOP UPS Manager V4.72.2 Applic	ation			- 0	×
SIEMENS			SITOP UPS N	/lanager	
General settings	Device configuration 🔍 Hardware configuration	Software configuration	Diagnostics	English	-
Hardware configuration	Save file	Load from file	Upload	Run update	:
 Hardware configuration 	Base Unit				
Base Unit Energy storage	Location ID				
	Connection threshold Buffer time Maximum buffer time Additional buffer time after PC shutdown Expected buffer current Reset time Enable reset after buffering Downtime alarm Wait time for stable input voltage	22.5 MAX 2 5 3 2 100 1	V s A S ms s		
	Battery maintenance interval Resistor test interval	0 4	Days Hours Re Local PC	set to initial value:	5

- Enter the values of the above-mentioned parameters in the SITOP Manager in the menu "Object configuration > Device configuration > Base Unit" under Buffering.
- 2. Enter the new parameters in the SITOP Manager in the menu "Object configuration > Device configuration > Base Unit" under Signaling.
 - Downtime alarm Trigger for the event "Not ready for buffering".
 - Wait time for stable input voltage Trigger for the event "Power return"

_..

Figure 2-8			
Diagnostics Object configuration	Commissioning		UPS1600 20A PN (V2.2.2)
Object configuration » Device configuration »	» Base Unit		÷
Base Unit			
UPS1600			
Buttering			
Connection threshold	22.5	V	
Buffer time	MAX	s	
	Maximum buffer time		0
Additional buffer time after PC	5	s	
shutdown			
Expected buffer current	0	Α	
Reset time	3	s	
	🗹 Enable reset after buffering		
Signaling			
Downtime alarm	0.1	s	2
Wait time for stable input voltage	1	s	

2.4.2 Configuration of Third-party Batteries

In the SITOP UPS Manager you configure third-party batteries in the "Hardware configuration" tab under "Hardware configuration > Energy storage". Note the values of the following parameters:

- Battery capacity
- End-of-charge voltage
- Charging current
- Faulty battery voltage

SITOP UPS Manager V4.72.2 Application	on					- 🗆	×
SIEMENS					UPS M	lanager	
General settings Dev	vice configuration 🔻 Hardware (configuration	Software configuration	Dia Dia	agnostics	English	-
Hardware configuration		Save file	Load from file	Upk	oad	Run update	
Hardware configuration Ethernet configuration Base Unit Energy storage	Energy storage STTOP UPS1100 battery Order number Number of modules Battery capacity (a) Use third-party battery Battery capacity End-of-charge voltage Charge current Faulty battery voltage		6EP4131-0GB00-0A	Y0 1 .2 Ah 2 Ah 3 V 3 A 6 V	•		
					Reset	to initial values	
					Local PC	UPS1600	۲

Enter the values of the above-mentioned parameters in the SITOP Manager under Buffering in the menu "Object configuration > Device configuration > Energy storage". The "Stop buffering voltage" parameter is new in the SITOP Manager.

Figure 2-10

Diagnostics Object configuration	Commissioning		UPS1600 20A PN (V2.2.2)
Object configuration » Device configuration »	Energy storage		*
Energy storage			
SITOP UPS1100 battery			
 SITOP UPS1100 battery 			
Use third-party battery			
Use third-party battery			
Battery capacity	7	A∙h	
End-of-charge voltage at 20°C	27.3	V	
Charge current	0.3	A	
Stop buffering voltage	18.5	V	
Faulty battery voltage	6	V	

2.4.3 General Software Settings

The following general software settings are no longer in the SITOP Manager:

- Storage location and size of the log file: The data is stored in the UPS1600.
- Switch off UPS1600 after manual shutdown.
- Application is always on top: The user interface supported by the web browser enables the user to configure the desktop so that the SITOP Manager is always on top.
- Start of programs / scripts after startup: The SITOP Manager supports storing of UPS1600, SITOP Manager and Shutdown Service alarms in a CSV file.

Figure 2-11

ITOP UPS Manager V4.72.2 Applicat	ion				- 🗆 X
SIEMENS				SITOP UPS	Manager
General settings	vice configuration	Hardware configuration	 Software configuration 	Diagnostics	English 💌
Software configuration		Save file	Load from file	Upload	Run update
✓ Software configuration	General setting	js			
Buffer mode	Size of log file	100	КВ		
Not ready for buffering Battery replacement				Browse	Save As
Battery charge Remaining buffer time					
Communication interface System alarm	Switch off L	JPS1600 after manual shutdov always on top ograms / scripts after startup	vn		
				Local P	C 🥚 UPS1600 🔴

2.4.4 Configuration of "Buffer Mode"

In the SITOP UPS Manager you can enable and parameterize the following options for the Buffer mode. You do the configuration in the "Software configuration" tab under "Software configuration > Buffer mode".

- Start application on power failure
- Start application on power return
- Show SITOP UPS Manager on power failure
- Show SITOP UPS Manager on power return
- Shut down PC on power failure

In the SITOP Manager you configure the Buffer mode in the menu "Object configuration > Software configuration" of the Shutdown Service.

Proceed as follows to configure the Buffer mode:

- 1. Dead time: Time after power failure
 - The dead time corresponds to the time that you can set for the "Start application on power failure" option in the SITOP UPS Manager. If the power does not return after expiration of the set dead time, shutdown of the PC is prepared.
- 2. Wait time and the "Shut down PC on power failure" option: Time after expiration of the dead time. The wait time corresponds to the time that you can set for the "Shut down PC on power failure" option in the SITOP UPS Manager. If the "Shut down PC on power failure" option is enabled, shutdown of the PC is prepared. After expiration of the wait time, shutdown of the PC is started.
- 3. Power failure: Select the application that is to be started on power failure.
- 4. Power return: Select the application that is to be started on power return.
- 5. The time for starting the application after power return is integrated in the new parameter "Wait time for stable input voltage" (see section <u>2.4.1</u>).
- 6. The options "Show SITOP UPS Manager on power failure" and "Show SITOP UPS Manager on power return" are replaced in SITOP Manager by tray icons in the taskbar.

The following figure shows the configuration of the Buffer mode in the SITOP UPS Manager.

Figure 2-12



The following figure shows the configuration of the Buffer mode in the SITOP Manager.

Figure 2-13

Diagnostics Object c	configuration Commissioning	
Object configuration » Softwar	re configuration	
Software configuration		
Shutdown management		
1	Dead time 30	s
	Shut down PC on power failure	
0	Wait time 10	s
Power failure		
	Power failure	
	3 C:\SITOPShutdownService\power_failure.bat	
	Open file	
	Validate File	
Power return		
	Power return	
	C:\SITOPShutdownService\power_ok.bat	
	Open file	
	Validate File	

2.4.5 Configuration of "Not Ready for Buffering"

In the SITOP UPS Manager you can enable and parameterize the following options for "Not ready for buffering". You do the configuration in the "Software configuration" tab under "Software configuration > Not ready for buffering".

- Start application if buffer mode is not possible.
- Start application if buffer mode is available again.
- Open SITOP UPS Manager if buffer mode is not possible.
- Open SITOP UPS Manager if buffer mode is available again.

In the SITOP Manager you configure "Not ready for buffering" in the menu "Object configuration > Software configuration" of the Shutdown Service.

Proceed as follows to configure "Not ready for buffering":

- 1. The time for starting the application in the case of "Not ready for buffering" is integrated in the new parameter "Downtime alarm" (see section <u>2.4.1</u>).
- 2. Buffer mode or shutdown not possible: Select the application that is to be started in the case of "Not ready for buffering".
- 3. The option "Start application if buffer mode is available again" is no longer necessary in the SITOP Manager.
- 4. The options "Open SITOP UPS Manager if buffer mode is not possible" and "Open SITOP UPS Manager if buffer mode is available again" are replaced in SITOP Manager by tray icons in the taskbar.

The following figure shows the configuration of "Not ready for buffering" in the SITOP UPS Manager.

on on ono manager vanzuz Applicatio	лі 			· •
SIEMENS			OP UPS M	anager
General settings 🕨 Dev	rice configuration 🕨 Hardware configuration 🔻 Software configu	iration	Diagnostics	English
Software configuration	Save file Load from f	file	Upload	Run update
Software configuration General settings	Not ready for buffering			
Buffer mode Not ready for buffering Battery replacement	Start application if buffer mode is not possible.	nin 5	1	
Battery charge Remaining buffer time			Browse	2
Communication interface System alarm	Start application if buffer mode is available again.	nin ⁵	◆ S	3
			Browse	
	Open SITOP UPS Manager if buffer mode is not	nin 5	▲ s	
			4	
	Open SITOP UPS Manager if buffer mode	nin 5	÷ s	
			Local PC	UPS 1600

Figure 2-14

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The following figure shows the configuration of "Not ready for buffering" in the SITOP Manager.

Figure 2-15

 Diagnostics 	 Object configuration 	Commissioning	Shutdown Service (V1.0.0)
Object configurat	ion » Software configuration	1	Ŧ
Ready for shut	down		
	[Ready for shutdown	
	[C:\SITOPShutdownService\shutdown_started_	
		Open file	
	l	Validate File	
Buffer operati	on or shutdown not possible	2	
		Buffer operation or shutdown not possible	
	[C:\SITOPShutdownService\shutdown_not_pos	•
		Open file	
		Validate File	

2.4.6 Configuration of "Battery Replacement"

In the SITOP UPS Manager you can enable and parameterize the following options for "Battery replacement". You do the configuration in the "Software configuration" tab under "Software configuration > Battery replacement".

- Start application if battery replacement is recommended.
- Start application if battery replacement is finished.
- Open SITOP UPS Manager if battery replacement is recommended.
- Open SITOP UPS Manager if battery replacement is finished.

Configuration of "Battery replacement" is no longer necessary in the SITOP Manager.

- 1. The options "Start application if battery replacement is recommended" and "Start application if battery replacement is finished" are no longer necessary in the SITOP Manager.
- 2. The options "Open SITOP UPS Manager if battery replacement is recommended" and "Open SITOP UPS Manager if battery replacement is finished" are replaced in SITOP Manager by tray icons in the taskbar.

SITOP UPS Manager V4.72.2 Application	in	- 0	×
SIEMENS		SITOP UPS Manage	r
General settings	ice configuration 🕨 Hardware configuration 🔻 Software configuration	Diagnostics English	-
Software configuration	Save file Load from file	Upload Run upo	date
 Software configuration General settings 	Battery replacement		
Buffer mode Not ready for buffering Battery replacement Battery charge	Start application if battery replacement is recommended.	5 S	
Remaining buffer time Communication interface System alarm	Start application if battery replacement is finished.	5 s Browse	
	Open SITOP UPS Manager if battery replacement of min is recommended.	5 × s	
	Open SITOP UPS Manager if battery replacement	5 • s	
		Local PC 🥚 UPS 1	1600 🥝

2.4.7 Configuration of "Battery Charge"

In the SITOP UPS Manager you can enable and parameterize the following options for "Battery charge". You do the configuration in the "Software configuration" tab under "Software configuration > Battery charge".

- Start application if battery charge level is greater than SOC for duration tD.
- Start application if battery charge level is equal to or less than SOC for duration tD.
- Open SITOP UPS Manager if battery charge level is greater than SOC for duration tD.
- Open SITOP UPS Manager if battery charge level is equal to or less than SOC for duration tD.

Configuration of "Battery charge" is no longer necessary in the SITOP Manager.

- 1. The options "Start application if battery charge level is greater than SOC for duration tD" and "Start application if battery charge level is equal to or less than SOC for duration tD" are no longer necessary in the SITOP Manager.
- 2. The options "Open SITOP UPS Manager if battery charge level is greater than SOC for duration tD" and "Open SITOP UPS Manager if battery charge level is equal to or less than SOC for duration tD" are replaced in SITOP Manager by tray icons in the taskbar.

SITOP UPS Manager V4.72.2 Application	n	- 🗆	×
SIEMENS	SITOP UPS M	anager	
🕨 General settings 🕨 Dev	ice configuration 🕨 Hardware configuration 🔻 Software configuration 🕨 Diagnostics	English	•
Software configuration	Save file Load from file Upload	Run updat	.e
 Software configuration General settings Buffer mode Not ready for buffering Battery replacement 	Battery charge	5 🔹 %	
Battery charge Remaining buffer time Communication interface System alarm	Start application if battery charge level is less or equal than SOC for duration tD to • • min 5 • s SOC 84 Browse Browse	; • %	1
	Open SITOP UPS Manager if battery charge level is greater than SOC for duration tD	; • %	
	Open SITOP UPS Manager if battery charge level is less or equal than SOC for duration tD	5 - %	2
	Local PC	UPS160	0

2.4.8 Configuration of "Remaining Buffer Time"

In the SITOP UPS Manager you can enable and parameterize the following options for "Remaining buffer time". You do the configuration in the "Software configuration" tab under "Software configuration > Remaining buffer time".

- Start application if desired buffer time cannot be reached.
- Start application if desired buffer time can be reached again.
- Open SITOP UPS Manager if desired buffer time cannot be reached.
- Open SITOP UPS Manager if desired buffer time can be reached again.

Configuration of "Remaining buffer time" is no longer necessary in the SITOP Manager.

- 1. The options "Start application if desired buffer time cannot be reached" and "Start application if desired buffer time can be reached again" are no longer necessary in the SITOP Manager.
- 2. The options "Open SITOP UPS Manager if desired buffer time cannot be reached" and "Open SITOP UPS Manager if desired buffer time can be reached again" are replaced in SITOP Manager by tray icons in the taskbar.

SITOP UPS Manager V4.72.2 Applicati	on		-		×
SIEMENS			JPS Mar	lager	
General settings	vice configuration 🕨 Hardware configuration 🔻 Software configuration	Diagr	ostics	English	-
Software configuration	Save file Load from file	Upload		Run update	
 Software configuration General settings 	Remaining buffer time				
Buffer mode Not ready for buffering Battery replacement Battery charge	Start application if desired buffer time cannot be of time cannot	5 🔹 s			
Remaining buffer time Communication interface System alarm	□ Start application if desired buffer time can be 0 + min reached again.	5 • s	Browse	1	
	Open SITOP UPS Manager if desired buffer time	5 • S			
	Open SITOP UPS Manager if desired buffer time	5 • S		2	
			Local PC 🥚	UPS1600	۲

2.4.9 Configuration of "Communication Interface"

In the SITOP UPS Manager you can enable and parameterize the following options for "Communication interface". You do the configuration in the "Software configuration" tab under "Software configuration > Communication interface".

- Start application if communication to UPS1600 is established.
- Start application if communication to UPS1600 is broken.
- Open SITOP UPS Manager if communication to UPS1600 is established.
- Open SITOP UPS Manager if communication to UPS1600 is broken.

Configuration of "Battery charge" is no longer necessary in the SITOP Manager.

- 1. The options "Start application if communication to UPS1600 is established" and "Start application if communication to UPS1600 is broken" are no longer necessary in the SITOP Manager.
- 2. The options "Open SITOP UPS Manager if communication to UPS1600 is established" and "Open SITOP UPS Manager if communication to UPS1600 is broken" are replaced in SITOP Manager by tray icons in the taskbar.

SITOP UPS Manager V4.72.2 Application	n	_	• ×
SIEMENS		SITOP UPS Man	ager
▶ General settings ▶ De	vice configuration 🕨 Hardware configuration 🔻 Software configuration	Diagnostics	English 🚬
Software configuration	Save file Load from file	Upload	Run update
 Software configuration General settings 	Communication interface		
Buffer mode Not ready for buffering Battery replacement Battery charge	Start application if communication to UPS1600 is a min	5 S	
Remaining buffer time Communication interface System alarm	Start application if communication to UPS1600 is a min	5 • S Browse	1
	Open SITOP UPS Manager is established.	5 • s	
	Open SITOP UPS Manager is broken.	5 • S	2
		Local PC 🥚	UPS1600 🥚

2.4.10 Configuration of "System Alarm"

In the SITOP UPS Manager you can enable and parameterize the following options for "System alarm". You do the configuration in the "Software configuration" tab under "Software configuration > System alarm".

- Start application if at least one system alarm is pending.
- Start application if no system alarm is pending.
- Open SITOP UPS Manager if at least one system alarm is pending.
- Open SITOP UPS Manager if no system alarm is pending.

Configuration of "System alarm" is no longer necessary in the SITOP Manager.

- The options "Start application if at least one system alarm is pending" and "Start application if no system alarm is pending" are no longer necessary in the SITOP Manager.
- 2. The options "Open SITOP UPS Manager if at least one system alarm is pending" and "Open SITOP UPS Manager if no system alarm is pending" are replaced in SITOP Manager by tray icons in the taskbar.

SITOP UPS Manager V4.72.2 Application	n	- 🗆 X
SIEMENS		SITOP UPS Manager
▶ General settings ▶ Dev	ice configuration 🕨 Hardware configuration 🔻 Software configuration	Diagnostics English
Software configuration	Save file Load from file	Upload Run update
 Software configuration General settings 	System alarm	
Buffer mode Not ready for buffering Battery replacement Battery charge	Start application if at least one system alarm is one min	5 • S
Remaining buffer time Communication interface System alarm	Start application if no system alarm is pending.	Browse 1
	Open SITOP UPS Manager if at least one system alarm is pending.	5 <u>*</u> s
	Open SITOP UPS Manager if no system alarm is pending.	5 <u>*</u> s
I		Local PC 🥚 UPS 1600 🥝

2.5 Configure Settings for the Web Server

In the SITOP Manager you can configure the settings for the web server of the SITOP device, UPS1600, for example, in the menu "Object configuration > General > Web server > Settings". This function was not available in the SITOP UPS Manager.

Figure 2-21			
 Diagnostics 	Object configuration	Commissioning	
Object configurat	tion » General » Web server »	» Settings	
Settings			
General			
		Activate web server on this module	
	l	Permit access only with HTTPS	
Automatic act	ions		
		Log off automatically after 15 minutes	
	Update interval	30 s	\sim

2.6 Configure Settings for the OPC UA Server

In the SITOP Manager you can configure the settings for the OPC UA server of the SITOP device, UPS1600, for example, in the menu "Object configuration > General > OPC UA server > Settings". This function was not available in the SITOP UPS Manager.

Figure 2-22		
Diagnostics	Object configuration	Commissioning
Object configurati	on » General » OPC UA ser	ver » Settings
Settings		
General		
		OPC UA server activated
		Unencrypted access activated
	OPC UA port	4840
NTP client		
		NTP client activated
	NTP server address 1	
	NTP server address 2	
	NTP server address 3	
	NTP server address 4	

3 Diagnostics

The following alarms are displayed in the SITOP Manager:

- Alarms of the SITOP device, UPS1600, for example
 - Pending alarms
 - Alarm history
- SITOP Manager alarms
- Alarms of the Shutdown Service

3.1 Alarms of the SITOP device

Pending alarms

In the SITOP Manager you can access the list of pending alarms via the menu "Diagnostics > Alarms > Pending alarms". You can save the pending alarms in a CSV file as required.

Figure 3-1

 Diagnostics 	• Object configur	ration	Commissioning	UPS1600 20A PN (V2.2.2)
Diagnostics » Alarr	ms » Pending alarms	5		*
Pending alarms				
Pending alarms	;			
				Save as
Event		Date a	nd time (UTC)	
No entry avail	able			

Alarm history

In the SITOP Manager you can access the alarm history list via the menu "Diagnostics > Alarms > Alarm history". You can save the alarm history in a CSV file or delete it as required.

Figure 3-2

Diagnostics Object configuration Commissioning		UPS1600 20A PN (V2.2.2
Diagnostics » Alarms » Alarm history		*
Alarm history		
Alarm history		
		Save as Clear history
Event	Date and time (UTC)	Incoming/outgoing
Insufficient charge level	25.09.2018 08:05:30:311	Outgoing
Insufficient charge level	25.09.2018 08:05:01:415	Incoming
New battery detected (battery index: 1)	25.09.2018 08:04:55:618	Incoming
Output switched on	25.09.2018 08:04:54:618	Incoming

3.2 SITOP Manager Alarms

To access the alarm list of the SITOP Manager you use the "Display alarms" function from the menu icon in the header.

SITOP Manager

There are 13 SITOP Manager alarms. You can save the SITOP Manager alarms in a CSV file or delete them as required.

Figure 3-3

► English Change password Import ODC View alarms Download certificate Help About The following figure shows the SITOP Manager alarms.

igur	e 3-4					
View a	larms					
View alar	ms					*
View ala	rms					
View a	alarms					
Severi	ity filter: NORMAL/INFO (0)	and higher			Save as	Clear history
ID	Event	Incoming/outgoing	Severity	Origin	Date and time (UTC)	
2	Data transfer in progress	Outgoing	V 0	opc.tcp://192.168.0.4:4840	25.09.2018 08:07:40:861	
4	Device locked	Incoming	0	opc.tcp://192.168.0.4:4840	25.09.2018 08:07:40:856	
2	Data transfer in progress	Incoming	V 0	opc.tcp://192.168.0.4:4840	25.09.2018 08:07:35:264	
3	Device connected	Incoming	V 0	opc.tcp://192.168.0.4:4840	25.09.2018 08:07:35:259	
2	Data transfer in progress	Outgoing	V 0	opc.tcp://192.168.0.111:4842	25.09.2018 08:06:17:666	
4	Device locked	Incoming	V 0	opc.tcp://192.168.0.111:4842	25.09.2018 08:06:17:536	
2	Data transfer in progress	Incoming	V 0	opc.tcp://192.168.0.111:4842	25.09.2018 08:06:16:841	
3	Device connected	Incoming	V 0	opc.tcp://192.168.0.111:4842	25.09.2018 08:06:16:836	
1	Service running	Incoming	0	Manager	25.09.2018 08:06:03:126	
1	Service running	Outgoing	V 0	Manager	24.09.2018 12:46:06:054	
2	Data transfer in progress	Outgoing	V 0	opc.tcp://192.168.0.4:4840	24.09.2018 12:28:16:349	
4	Device locked	Incoming	V 0	opc.tcp://192.168.0.4:4840	24.09.2018 12:28:16:342	
2	Data transfer in progress	Incoming	V 0	opc.tcp://192.168.0.4:4840	24.09.2018 12:28:10:568	
3	Device connected	Incoming	V 0	opc.tcp://192.168.0.4:4840	24.09.2018 12:28:10:562	
2	Data transfer in progress	Outgoing	V 0	opc.tcp://192.168.0.111:4842	24.09.2018 12:26:52:793	
4	Device locked	Incoming	V 0	opc.tcp://192.168.0.111:4842	24.09.2018 12:26:52:786	
2	Data transfer in progress	Incoming	V 0	opc.tcp://192.168.0.111:4842	24.09.2018 12:26:52:199	

3.3 Alarms of the Shutdown Service

In the SITOP Manager you can access the list of Shutdown Service alarms via the menus "Diagnostics > Alarms > Pending alarms" and "Diagnostics > Alarms > Alarm history".

There are 8 Shutdown Service alarms. You can save the pending alarms and alarm history of the Shutdown Service in a CSV file as required.

utdo	wn Service (V1.0.0)				*
ndin	g alarms				
Pend	ding alarms				
Seve	erity filter: NORMAL/INF	O (0)	→ and higher		Save as
ID	Event	Severity	Origin	Date and time (UTC)	Details on event
1	Service running	V 0	Service	25.09.2018 08:29:49:854	Service running
3	Buffer component connected via SITOP Manager	v 0	opc.tcp://192.168.0.4:4840 (DESKTOP-VJM3U4V)	25.09.2018 08:30:31:994	Buffer component connected via SITOP Manager

3.4 Operating Data

In the SITOP Manager you open the display of the operating data in the menu "Diagnostics > Operating data > Base Unit".

The following figure shows the operating data of the SITOP UPS1600.

Figure 3-6		
Diagnostics Object configuration	Commissioning	
Diagnostics » Operating data » Base Unit		
Base Unit		
UPS1600		
		i.
Article number	6644136-34800-24Y0	1
Serial number]
HW product version	8	1
Operating mode	Normal	1
operating more	Ready for buffering]
Remaining buffer time	03:07:58	hh:mm:ss
Input voltage	24.31] V
Output voltage	24.3	v
Load current	0.01	A
Battery charge level	100	96
Measured charge current	0.03	A
Battery voltage	25.09	v

The following figure shows the operating data of the connected battery module SITOP UPS1600.

Figure 3-7

Diagnostics Object configuration Commissioning
Diagnostics » Operating data » Base Unit
Base Unit
SIEMENS VIIII VIIII VIIII SIEMENS VIIII VIIII VIIII
Article number 6EP4131-0GB00-0AY0
Serial numberSULL/E00001067
HW product version 2
Battery capacity 1 2
Battery temperature 26 °C

3.5 Trend Diagrams

The trend diagrams for graphical display of the following parameters have not been integrated in the SITOP Manager.

- Load current
- Current input voltage
- Remaining buffer time
- Charging current
- Battery charge
- Battery temperature