Symmetra™ MW

400-1000 kW 380/400/480 V

Operation

UPS System with Internal Bypass 01/2017





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Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

As standards, specifications, and designs change from time to time, please ask for confirmation of the information given in this publication.

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Important Safety Instructions — SAVE THESE INSTRUCTIONS

Read these instructions carefully and look at the equipment to become familiar with it before trying to install, operate, service or maintain it. The following safety messages may appear throughout this manual or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol to a "Danger" or "Warning" safety message indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages with this symbol to avoid possible injury or death.

ADANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

Failure to follow these instructions will result in death or serious injury.

AWARNING

WARNING indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

ACAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result in** minor or moderate injury.

Failure to follow these instructions can result in injury or equipment damage.

NOTICE

NOTICE is used to address practices not related to physical injury. The safety alert symbol shall not be used with this type of safety message.

Failure to follow these instructions can result in equipment damage.

Please Note

Electrical equipment should only be installed, operated, serviced, and maintained by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

Electromagnetic Compatibility

NOTICE

RISK OF ELECTROMAGNETIC DISTURBANCE

This is a product Category C3 according to IEC 62040-2. This is a product for commercial and industrial applications in the second environment - installation restrictions or additional measures may be needed to prevent disturbances. The second environment includes all commercial, light industry, and industrial locations other than residential, commercial, and light industrial premises directly connected without intermediate transformer to a public low-voltage mains supply. The installation and cabling must follow the electromagnetic compatibility rules, e.g.:

- · the segregation of cables,
- the use of shielded or special cables when relevant,
- · the use of grounded metallic cable tray and supports.

Failure to follow these instructions can result in equipment damage.

FCC Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Safety Precautions

ADANGER

HAZARD OF ELECTRICAL SHOCK, EXPLOSION OR ARC FLASH

All safety instructions in this document must be read, understood and followed.

Failure to follow these instructions will result in death or serious injury.

ADANGER

HAZARD OF ELECTRICAL SHOCK, EXPLOSION OR ARC FLASH

After the UPS system has been electrically wired, do not start up the system. Start-up must only be performed by Schneider Electric.

Failure to follow these instructions will result in death or serious injury.

System Overview 400–1000 kW 380/400/480 V

System Overview

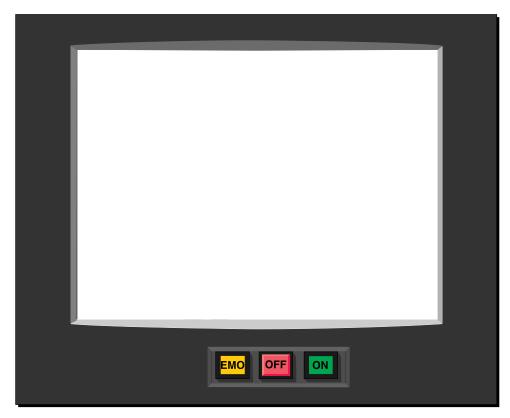
Breakers in the System

- · Q1: UPS input breaker
- · Q2: UPS output breaker
- · Q3: Maintenance bypass breaker
- Q4: System output breaker
- · Q5: Bypass input breaker
- · Q7: Battery breaker 1
- · Q8: Battery breaker 2

NOTE: Only operate a breaker when the associated breaker lamp is on.

Display Overview

Front View of Display



- A. ON button: Push to turn on the UPS.
- B. **OFF** button: Push to turn off the UPS. This will remove the output from this UPS.
- C. **EMO** (Emergency Module OFF) button: Push to trip all breakers, disabling UPS AC and DC input and output. This will remove the output from this UPS.

NOTE: To be used in emergency situations only.

400–1000 kW 380/400/480 V System Overview

Menu Tree

UPS Parallel System

UPS Summary Input Summary Bypass Summary Output Summary Battery Summary Operation **UPS Startup UPS Shutdown** Online to Static Bypass Static Bypass to Online View Event Log **Predictive Maintenance** Fan Status **User Configuration** Password settings **Touch-Screen Settings Modbus Settings Regional Settings Network Configuration Display Settings**

Battery Test Settings

Configuration

Change the User Password

1. From the home screen on the display select **Operation > User Configuration** > **Password Settings** screen to access the **Password Settings** screen.

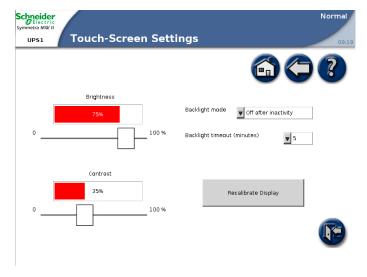


- 2. Change the user password:
 - a. Tap the **Enter current password** field and type the current password by using the keyboard on the screen. Complete with **ENTER**.
 - b. Tap the Enter new password field and type the new password by using the keyboard on the screen. Complete with ENTER.
 - c. Tap the **Re-enter new password** field and re-type the new password by using the keyboard on the screen. Complete with **ENTER**.
- 3. Tap **Apply Changes** to complete the password change procedure.

Configure the Touch-Screen Settings

NOTE: The display can be rebooted by recalibrating the display.

From the home screen on the display select Operation > Touch-Screen Settings to access the Touch-Screen Settings screen.



400–1000 kW 380/400/480 V Configuration

- 2. Change the touch-screen settings:
 - a. **Brightness**: Slide the indicator to the left or right to the desired setting.
 - b. Contrast¹: Slide the indicator to the left or right to the desired setting.
 - c. Backlight mode: Select Always on or Off after inactivity.

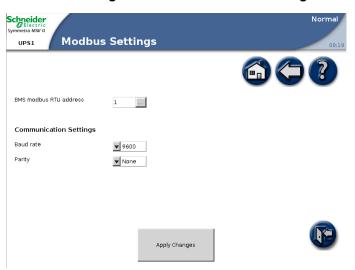
NOTE: If the backlight mode is set to **Always on** this will reduce the lifetime of the display.

- d. **Backlight timeout (minutes)**: Select the time limit for turning off the screen backlight.
- e. Recalibrate Display: Tap this button to initiate the calibration of the screen.

Configure the Modbus Settings

The **Modbus Settings** screen allows monitoring of the UPS by a Building Management System (BMS).

From the home screen on the display select Operation > War Configuration
 Modbus Settings to access the Modbus Settings screen.



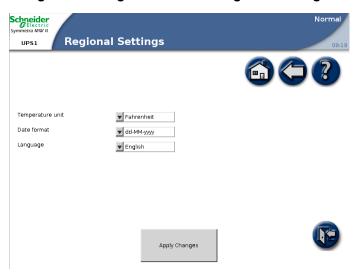
- 2. Change the modbus settings:
 - a. BMS modbus RTU address: The modbus address of the UPS device.
 - b. Baud rate: Select 9600, 19200, 38400, 57600, or 115200.
 - c. Parity: Select None, Odd, or Even.
- Tap Apply Changes to complete the changes.

^{1.} This setting is not available on all display versions.

Configuration 400–1000 kW 380/400/480 V

Configure the Regional Settings

From the home screen on the display select Operation > User Configuration
 Regional Settings to access the Regional Settings screen.

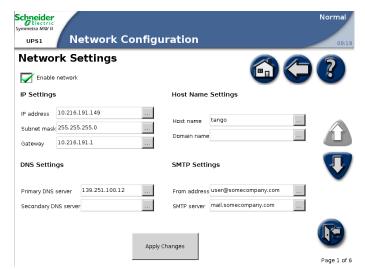


- 2. Change the regional settings:
 - a. Temperature unit: Select Celsius or Fahrenheit.
 - b. Date format: Select the preferred date format.
 - c. Language: Select English or Chinese (simplified).
- 3. Tap **Apply Changes** to complete the changes.

Configure the Network Configurations

All network settings information must be provided before any network functions can be used.

From the home screen on the display select Operation > Ver Configuration
 Network Configuration to access the Network Configuration screens.

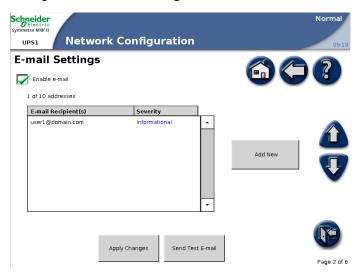


400–1000 kW 380/400/480 V Configuration

- 2. Configure the network settings:
 - Enable network: Select this checkbox to connect or disconnect the UPS from the network.
 - b. IP address: The static IP address.
 - Subnet mask: The subnet mask for the network segment containing the UPS.
 - d. Gateway: The network gateway for the segment containing the UPS.
 - e. **Primary DNS server**: The IP address of the DNS server to be used by the UPS (optional).
 - f. **Secondary DNS server**: The IP address of a backup DNS server if the primary server is not available (optional).
 - g. **Host name**: The network host name for the system. This uniquely identifies the system on the network. Standard letters (a-z and A-Z), digits (1-9), and hyphen (-) can be used.
 - h. **Domain name**: The DNS network domain containing the UPS. Standard letters (a-z and A-Z), digits (1-9), and hyphen (-) can be used.
 - i. From address: The source address used when sending e-mails.
 - j. **SMTP server**: The SMTP server responsible for sending e-mails.
 - Tap Apply Changes to complete the changes and select arrow down to go to the next Network Configuration screen.

NOTE: The display will have to be rebooted for the changes to the domain name or DNS servers to take effect.

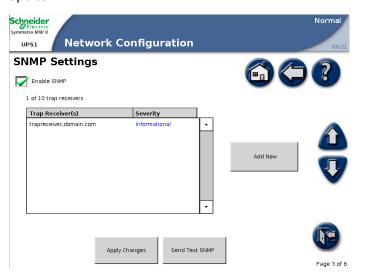
3. Configure the E-mail Settings:



- a. To add a new e-mail recipient, tap Add New, type in the e-mail address and specify the minimum severity of the alarms. All entries will appear in red until Apply Changes is tapped.
- b. Enable E-mail: Select this checkbox to enable the e-mail notifications.
- c. To edit or delete an e-mail recipient, select the recipient from the recipient list, and then choose to either update or delete it.
- d. Apply Changes: Tap this button when all changes have been made. Entries will appear in red until this button is tapped.
- e. **Send Test E-mail**: Tap this button to send a test e-mail to all configured e-mail recipients. This button can be used to validate the e-mail settings.
- f. Tap arrow down to go to the next Network Configuration screen.

Configuration 400–1000 kW 380/400/480 V

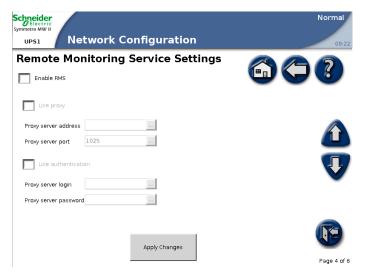
4. Configure the SNMP Settings. The UPS can be set to send SNMP traps if UPS alarm conditions occur, and when the conditions return to normal. Each trap contains a description of the alarm condition. Up to 10 trap receivers can be entered. The trap receiver must have the APC PowerNet MIB (version 3.6.1 or later). The latest version of the PowerNet MIB can be downloaded from www. apc.com.



- a. To add a new trap receiver, tap the **Add New** button, type in the address and specify the minimum severity of alarm. All entries will appear in red until **Apply Changes** is tapped.
- b. **Enable SNMP**: Select this checkbox to enable the SNMP functionality.
- c. To edit or delete a trap receiver, select the recipient from the recipient list, and update or delete it.
- d. **Apply Changes**: Tap this button when all changes have been made. Entries will appear in red until this button has been tapped.
- e. **Send Test SNMP**: Tap this button to send a test trap to all configured trap receivers. This button can be used to validate SNMP settings.
- f. Tap arrow down to go to the next **Network Configuration** screen.

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5. Configure the **Remote Monitoring Service Settings**. The remote monitoring service (RMS) monitors your network-critical physical infrastructure (NCPI) from a remote 24 x 7 operation center, responding to events according to a predefined escalation procedure. Go to http://rms.apc.com to learn more about this service. The remote monitoring service uses the HTTP protocol to post information to its database. If a proxy server is used for internet connection, the required proxy server port settings must be specified (a proxy server acts as an agent between a workstation user or other network device and the internet to regulate security, administrative control, and caching).



NOTE: The RMS will not be activated until the RMS team has been contacted. The contact details can be found at http://rms.apc.com.

- Enable RMS: Select this checkbox to enable the service. Once selected, information about your UPS will periodically be sent to Schneider Electric's remote monitoring service.
- b. **Use Proxy**: Select this checkbox if the internet connection method uses a HTTP proxy server to connect to the internet.
- c. Proxy server address: Enter the fully qualified IP-address or fully qualified domain name of the proxy server. If you do not know the server address or port number, contact your network administrator.
- d. **Proxy server port**: Enter the port number of the proxy server.
- Use authentication: Select this checkbox if the proxy server requires a login. Then specify a Proxy server login (user name) and a Proxy server password.
- f. Tap **Apply Changes** to complete the changes and tap arrow down to go to the next **Network Configuration** screen.

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6. Configure the StruxureWare Data Center Expert:



- a. **Enable StruxureWare discovery**: Select this checkbox to enable the StruxureWare Data Center Expert to discover your Symmetra MW.
- Read/Write Community name: Specify a valid community name. This is automatically set to public. It must match the name set on the StruxureWare device to allow discovery.
- c. System name (optional).
- d. System location (optional).
- e. System contact (optional).
- FTP User name: It must match the user name set on the StruxureWare device in order to allow discovery.
- g. **FTP Password**: It must match the password set on the StruxureWare device in order to allow discovery.
- h. Tap **Apply Changes** to complete the changes and tap arrow down to go to the next **Network Configuration** screen.
- 7. Configure the Remote Display Settings:

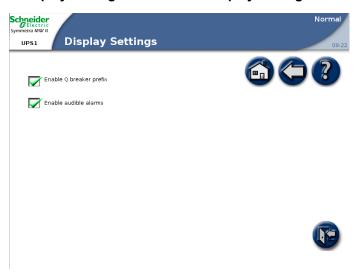


- Enable Remote Display: Select this checkbox to enable remote display sessions.
- b. Remote Display Inactivity Time-out: Specify the desired time-out period for the remote display settings (5, 10, 15, 30 minutes or Never). If Never is selected, the remote display session will not time-out automatically but must be manually disconnected.
- c. Tap **Apply Changes** to complete the changes.

400–1000 kW 380/400/480 V Configuration

Configure the Display

From the home screen on the display select Operation > Display Settings to access the Display Settings screen.

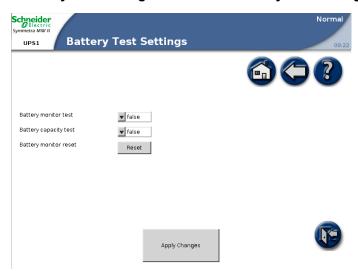


- 2. Configure the display settings:
 - a. Enable Q breaker prefix: Use this checkbox to enable or disable the Q breaker prefix.
 - b. **Enable audible alarms**: Use this checkbox to enable or disable the audible alarms.

Configure the Battery Test Settings

NOTE: It is not possible to perform battery tests on installations with lithium-ion batteries.

From the home screen on the display select Operation > User Configuration
 Battery Test Settings to access the Battery Test Settings screen.



Configuration 400–1000 kW 380/400/480 V

2. Change the battery test settings. Two different battery tests can be performed and the battery monitor can be reset.

- Battery monitor test: Set this value to True to start an automatic battery monitor test depending on the battery test options configured by the field service engineer.
- Battery capacity test: Set this value to True to discharge the batteries until
 a battery low voltage level is reached. This test can only be performed
 manually. The test is used to cycle the batteries in order to calibrate the
 backup time with the current load and battery modules installed.
- Battery monitor reset: In the event of a weak battery or another incorrect battery condition, tap this button to reset the battery monitor.

400–1000 kW 380/400/480 V Operation

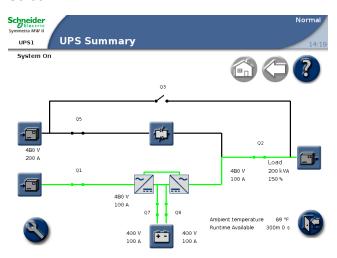
Operation

Operation Modes

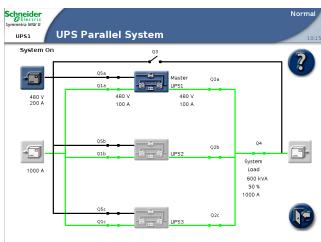
Normal Operation

During normal operation, the load is supported by the inverters. A single-line diagram will appear on the screen with the green line indicating the power flow from the utility/mains, through the UPS units, and to the load.

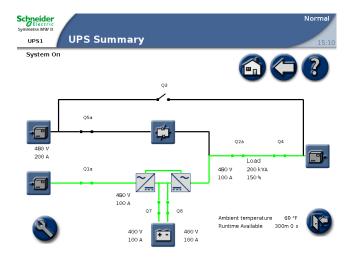
Single System with Dual Mains — UPS Summary Screen



Parallel System — UPS Parallel System Screen



Parallel System — UPS Summary Screen

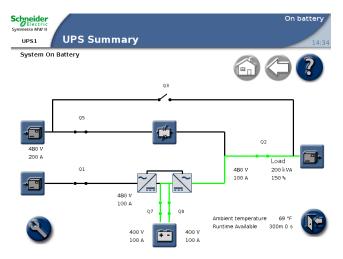


Operation 400–1000 kW 380/400/480 V

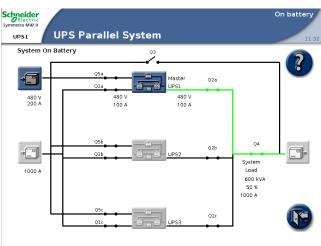
Battery Operation

During battery operation, the load is supported by the inverters. The main inverter is supplied by battery power, ensuring uninterrupted supply to the load. A single-line diagram will appear on the screen with the green line indicating the power flow from the batteries, through the main inverters, and to the load.

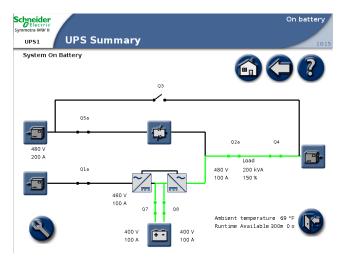
Single System with Dual Mains — UPS Summary Screen



Parallel System — UPS Parallel System Screen



Parallel System — UPS Summary Screen

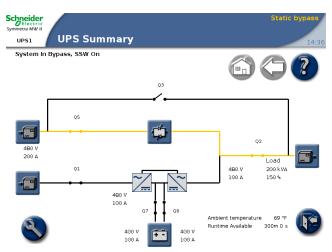


400–1000 kW 380/400/480 V Operation

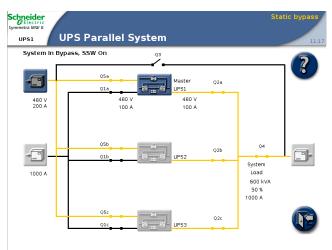
Static Bypass Operation

During static bypass operation, the load is supplied directly by utility/mains power. A single-line diagram will appear on the screen with an orange line indicating the power flow through the bypass to the load.

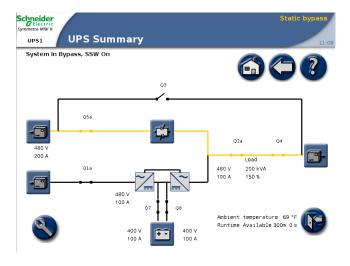
Single System with Dual Mains — UPS Summary Screen



Parallel System — UPS Parallel System Screen



Parallel System — UPS Summary Screen

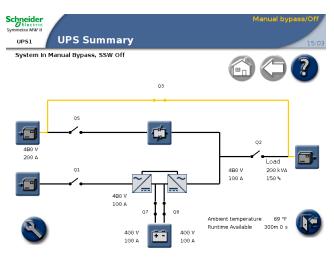


Operation 400–1000 kW 380/400/480 V

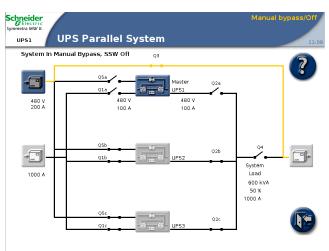
Manual Bypass Operation

During manual bypass operation, the load is supplied directly by utility/mains power. Manual bypass allows the UPS units to be isolated for maintenance purposes. In manual bypass there is no backup from the UPS system to the load. A single-line diagram will appear on the screen with an orange line indicating the power flow from the utility/mains to the load through the Q3 breaker.

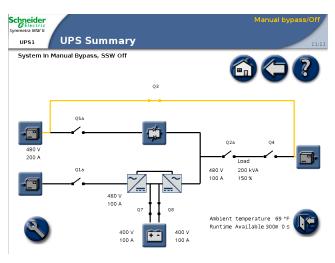
Single System with Dual Mains — UPS Summary Screen



Parallel System — UPS Parallel System Screen



Parallel System — UPS Summary Screen



400–1000 kW 380/400/480 V Operation

Efficiency Boost Mode

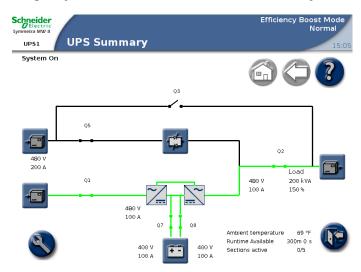
NOTE: This feature is disabled by default. Contact Schneider Electric if this feature should be enabled on your system.

When Efficiency Boost Mode (EBM) is enabled, the system will put redundant 200 kW power sections in hot standby after the system has been in normal operation for five minutes and the batteries are more than 80% charged.

NOTE: Only half of the systems power sections can be in hot standby.

The hot standby role transfers automatically between power sections on a set schedule to ensure equal conditions for the power sections.

Single System with Dual Mains — UPS Summary Screen



Operation 400–1000 kW 380/400/480 V

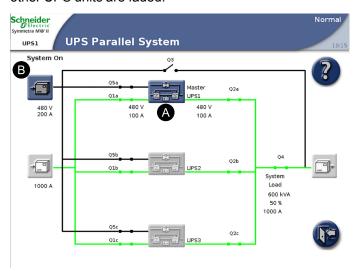
Operation Procedures

Access the Summary Screens from the UPS

From the Parallel System Screen

The **UPS Parallel System** screen provides you with an overview of the parallel system and the circuit breakers. It shows the system status and the power flow through the system and gives access to the system summary screens.

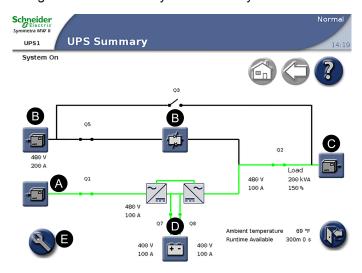
NOTE: The UPS you are standing in front of is highlighted on the screen and the other UPS units are faded.



- A. Access UPS Summary screens.
- B. Access Bypass Summary screens.

From the UPS Summary Screen

The UPS Summary screen provides you with an overview of the actual UPS and circuit breakers. It shows the system status and the power flow through the UPS and gives access to the system summary screens and the **Operation** screen.



- A. Access Input Summary screens.
- B. Access Bypass Summary screens.
- C. Access Output Summary screens.
- D. Access Battery Summary screens.
- E. Access Operation screen.

400–1000 kW 380/400/480 V Operation

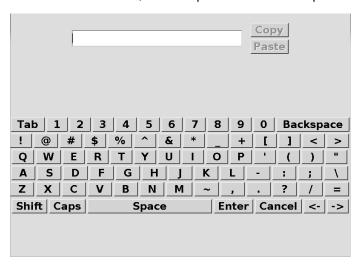
Access Screens Protected by User Password

1. When prompted for the user password, tap the password field to access the keyboard.



2. Type in the user password and tap ENTER.

NOTE: On installation, the user password is set to apc.



Transfer the System from Normal to Manual Bypass Operation

NOTE: The **UPS Shutdown** screen on this page shows an example of a generic shutdown sequence. Follow and complete the shutdown sequence on your **UPS Shutdown** screen which is specific to your system.

- 1. In parallel systems only: Tap the highlighted UPS on the **Parallel System** screen.
- 2. Select Operation > UPS Summary > Shutdown to access the UPS Shutdown screen.

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3. Follow the procedure on the screen which is specific to your system.

Single System

Parallel System



Start Up the System from Manual Bypass Operation

NOTE: The **UPS Startup** screen in this procedure shows an example of a generic startup sequence. Follow and complete the startup sequence as shown on your **UPS Startup** screen which is specific to your system.

- 1. Close the Q5 and Q1 breakers in the external maintenance bypass panel to power up the internal power supply. Wait for the display to become active.
- 2. In parallel systems only: Tap the highlighted UPS on the **UPS Parallel System** screen.
- 3. From the **UPS Summary** screen select **Operation > Startup**.
- The UPS Startup screen appears with the Charge DC Capacitors step hightlighted. Follow the procedure on the screen which is specific to your system.

Single System

Parallel System

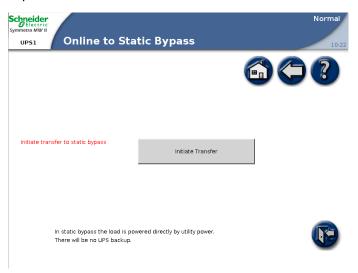


5. Verify that the status in the upper right corner has changed to **Normal**.

400–1000 kW 380/400/480 V Operation

Transfer the System from Normal to Static Bypass Operation

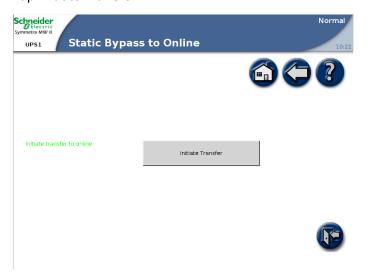
- In parallel systems only: Tap the highlighted UPS on the Parallel System screen.
- 2. From the UPS Summary screen select Operation > Online to Static Bypass.
- 3. Tap Initiate Transfer.



4. Verify that the status in the upper right corner of the screen has changed to **Static Bypass**.

Transfer the System from Static Bypass to Normal Operation

- 1. In parallel systems only: Tap the highlighted UPS on the **Parallel System** screen.
- 2. From the UPS Summary screen select Operation > Static Bypass to Online.
- 3. Tap Initiate Transfer.



Verify that the status in the upper right corner of the screen has changed to Normal.

Start a Web-Based Remote Session

The read-only display screens can be accessed via an internet browser by typing the IP address of the Symmetra MW display into the web browser address field. Configuration and operation of the Symmetra MW UPS or display through the remote display is not supported.

Operation 400–1000 kW 380/400/480 V

The remote display feature requires Microsoft Internet Explorer 8 or higher. For the best results, Schneider Electric recommends that the Sun JVM version 1.4.2_05 or higher is installed, which is available from the Sun website.

NOTE: Operation/configuration must be done at the UPS.

NOTE: The **Event log** screen can be accessed through the **Operation** screen. Only the 50 most recent events in the **Event Log** screen can be downloaded.

NOTE: Network settings must be configured before the remote display feature can be used.

NOTE: If the **Remote Display Inactivity Time-out** on the **Remote Display Settings** screen is set to **Never**, the session must be manually terminated by closing the remote display session. For more information see *Configure the Network Configurations*, page 11.

NOTE: Only one remote session at a time is supported.



- Enter the IP address of the UPS in the web browser address field to start a web-based remote session.
 After a few seconds, a new window will open and display the screen as shown above.
- 2. Use the mouse to click on the buttons and navigate to the other screens.
- 3. Close the window or the web browser to end the remote session.

400–1000 kW 380/400/480 V Maintenance

Maintenance

Access the Predictive Maintenance Screens

The **Predictive Maintenance** screens display the **Stress Status** and the **ERL** (**Expected Remaining Lifetime**) of the components of the Symmetra MW system.

- 1. In parallel systems only: Tap the highlighted UPS on the **Parallel System** screen.
- 2. Tap the **Operation** button and select **Predictive Maintenance**.



There are three **Predictive Maintenance** screens.

- Top Fans
- Inverter Fans
- Main Static Switch Fans

The **Predictive Maintenance** screens display the actual status and the **ERL (Expected Remaining Lifetime)** of the parts above. You can sort the data by tapping any of the column labels.

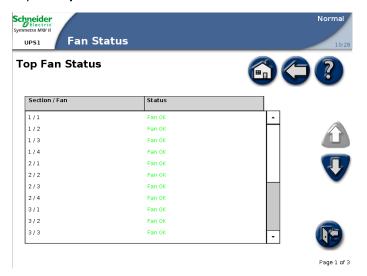
- Stress Status: Shows the actual status. The possible values are:
 - Normal (displayed in green)
 - Stressed (displayed in yellow)
 - Major Stress (displayed in red)
- **ERL (months)**: Predicts the expected remaining lifetime of the particular component.
- 3. Tap arrow down to go to the next **Predictive Maintenance** screen.

Maintenance 400–1000 kW 380/400/480 V

Access Fan Status Screens

 In parallel systems only: Tap the highlighted UPS on the Parallel System screen

2. Tap the **Operation** button and select **Fan Status**.



There are three Fan Status screens:

- Top Fans
- Inverter Fans
- · Main Static Switch

The status is shown for each individual fan:

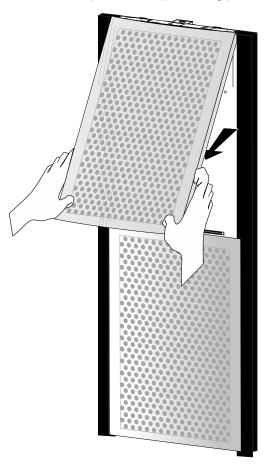
- Fan OK
- · Fan lifetime near end
- · Fan lifetime exceeded
- · Fan fault
- 3. Tap arrow down to go to the next **Fan Status** screen.

400–1000 kW 380/400/480 V Maintenance

Replace the Air Filters

Check the air filters at regular intervals (every three months under normal working conditions) for accumulated dust on the surface facing the finishing panels. Change all filters at the same time.

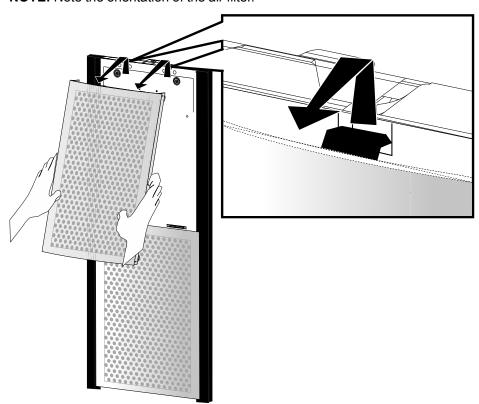
1. Pull the lower part of the top finishing panel off the UPS.



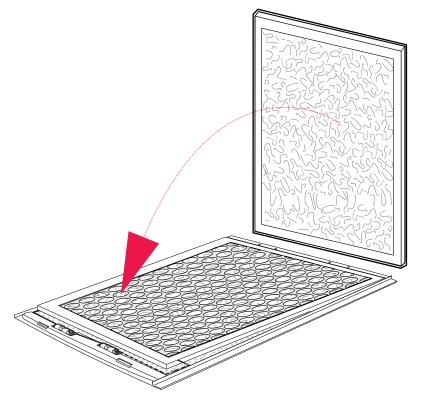
Maintenance 400–1000 kW 380/400/480 V

2. Lift the finishing panel off the dead front panel and remove.

NOTE: Note the orientation of the air filter.



- 3. Follow this procedure until all panels in one column have been removed.
- 4. Use the same procedure for the next column of panels until all panels have been removed from the UPS system.
- 5. Remove the air filters and install new air filters.



6. Reinstall the finishing panels in reverse order.

400–1000 kW 380/400/480 V Troubleshooting

Troubleshooting

Alarm Levels

The color of the top of the screen changes from blue to red when an alarm situation occurs and the alarm symbol is shown at the top of the screen.

There are three different alarm levels:

- Info: Informational Alarm. No immediate action required. Check the cause of the alarm at next maintenance visit.
- Warning: Example: The UPS system may have gone into bypass. The load remains supported, but action must be taken. Call Technical Support. The area on the right side of the top screen alternates between blue and red.
- Severe: Take immediate action. Call Technical Support. The red area of the top
 of the screen alternates between blue and red.

Alarm Button

Tapping the alarm button will display the **Active Alarms** screen showing all active alarms, along with a methodology for addressing each alarm. Tapping the alarm button or any other display button will automatically silence the alarm.

View Active Alarms

- 1. Tap the red triangular alarm symbol to view active alarms.
- Only active alarms will appear in this list. Previous alarms are stored in the Event Log, which contains a detailed record of the system's last 1024 events. Tap the Event Log button to go to the event log.



NOTE: The **Active Alarms** screen includes a recommended action for resolving each alarm.

View the Event Log

NOTE: Network settings and e-mail settings must be enabled and configured correctly before the event log can be e-mailed.

The event log can be accessed either by tapping the **Event Log** button on the **Active Alarms** screen or by following this procedure:

Troubleshooting 400–1000 kW 380/400/480 V

1. This step is only applicable to parallel systems: Tap the highlighted UPS on the **Parallel System** screen.

2. Tap the Operation button and select View Event Log.

The **Event Log** screen contains a detailed record of the system's latest 1024 events. This includes operation mode changes, system alarms, etc.



- Refresh: Tap the Refresh button to update the event log.
- Stop (only visible during update): Tap this button to stop further downloading
 of the event log. This button is useful for viewing only the most recent
 events.
- E-mail Event Log: Tap this button to e-mail the event log to a specific e-mail address. Type in the e-mail address and tap Send.

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As standards, specifications, and design change from time to time, please ask for confirmation of the information given in this publication.

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