

## APC™ Smart-UPS™ Modular Ultra AC Tray SRYLFSU6A and SRYLFSU6B

**NOTE:** Replacement AC Tray model must be same as the one in the UPS.

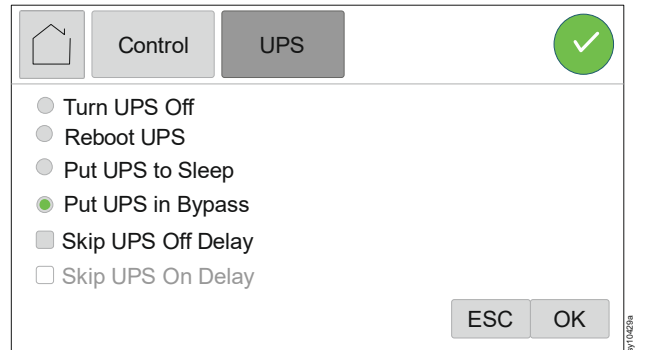
### **DANGER**

#### **RISK OF ELECTRIC SHOCK**

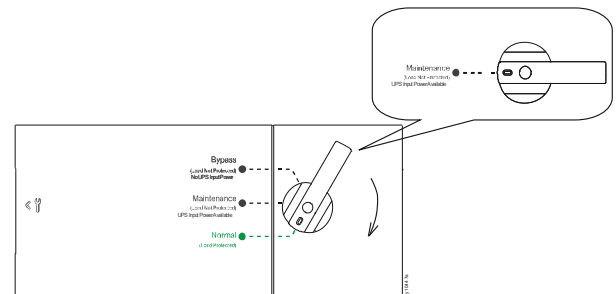
- The AC Tray replacement must be done by a qualified service personnel.
- Before working on the UPS system, check for hazardous voltage between all terminals including the protective ground.
- The UPS contains an internal energy source. Hazardous voltage can be present even when disconnected from utility/mains supply. Before installing or servicing the UPS system, ensure that the units are OFF and that utility/mains and batteries are disconnected. Wait for five minutes before opening the UPS, to allow the capacitors to discharge.
- A disconnection device (e.g. circuit breaker or switch) must be installed to enable the isolation of the system from upstream power sources in accordance with local regulations. This disconnection device must be easily accessible and visible.
- The UPS must be properly earthed/grounded and due to a high leakage current, the earthing/grounding conductor must be connected first.

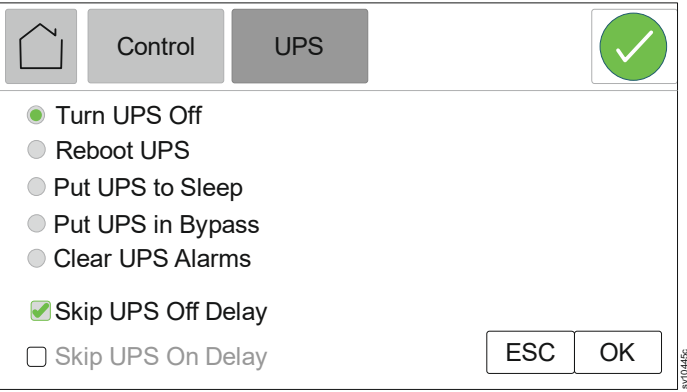
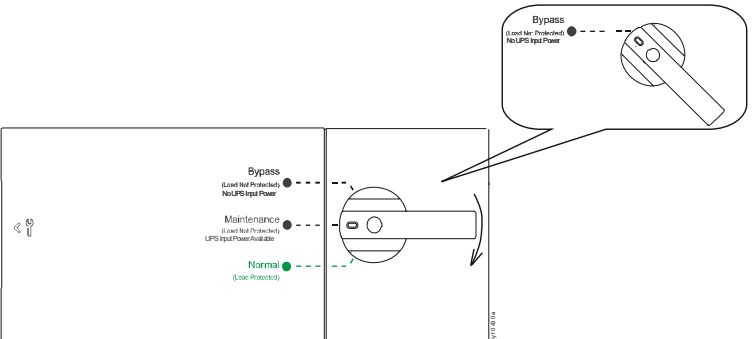
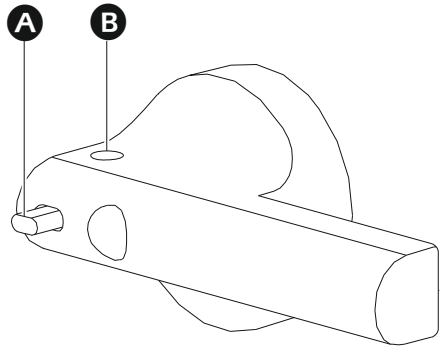
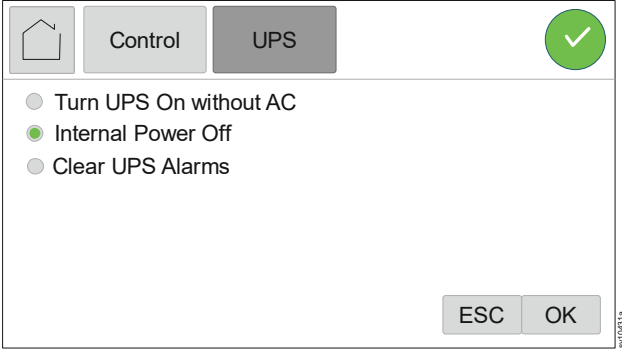
**Failure to follow these instructions will result in death or serious injury.**

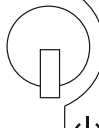

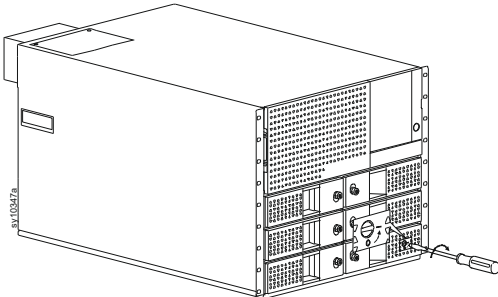
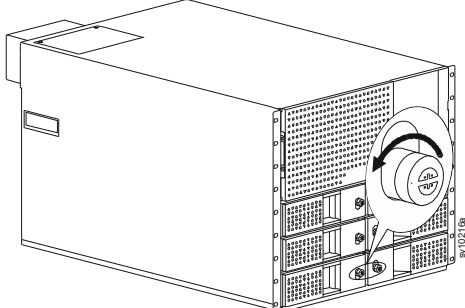
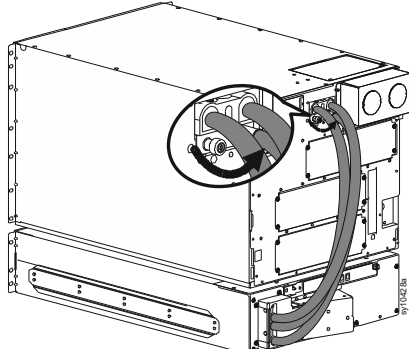
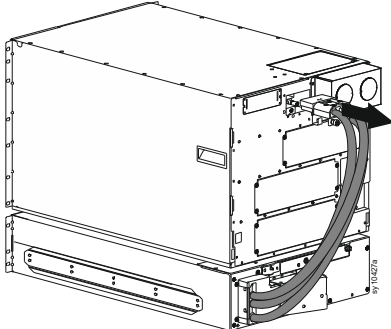
- 1** If a Service Bypass Unit (SBU) is connected to the UPS, command the UPS to operate in bypass mode (command bypass) through the LCD display (Home → Control → UPS → Put UPS in Bypass).



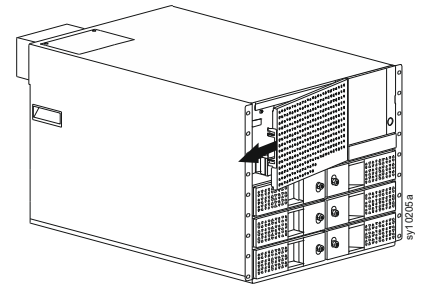
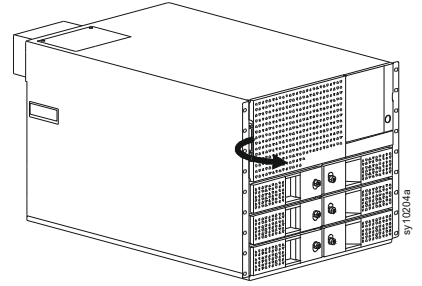
- 2** Set the switch on the SBU from Normal to Maintenance position.



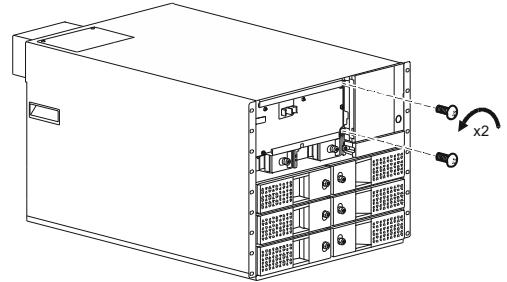
<p><b>3</b> Command the UPS to "Turn UPS Off" through the LCD display (Home → Control → UPS → Turn UPS Off &amp; Skip UPS Off Delay).</p>	 <p>The screenshot shows the 'UPS' menu with the following options: Turn UPS Off (selected), Reboot UPS, Put UPS to Sleep, Put UPS in Bypass, Clear UPS Alarms, Skip UPS Off Delay (checked), and Skip UPS On Delay. There are 'ESC' and 'OK' buttons at the bottom right.</p>
<p><b>4</b> Set the switch on the SBU from Maintenance to Bypass position.</p>	 <p>The diagram shows a rotary switch with three positions: Bypass (Load Not Protected, No UPS Input Power), Maintenance (Load Not Protected, UPS Input Power Available), and Normal (Load Protected). An arrow indicates the switch is being moved from Maintenance to Bypass.</p>
<p><b>5</b> Apply the Lockout Tagout (LOTO) procedure on the SBU switch, as per below steps:</p> <ol style="list-style-type: none"> <li>1. Press the locking lever <b>A</b> on the switch knob.</li> <li>2. Insert the shackle of the supplied padlock into the locking hole <b>B</b>. If the shackle does not enter the locking hole, then press the locking lever further into the knob.</li> <li>3. Install the padlock.</li> </ol> <p><b>NOTE:</b> For UPS with SBU, proceed with step <b>7</b>.</p>	 <p>The diagram shows the SBU switch knob with a locking lever labeled 'A' and a shackle hole labeled 'B'.</p>
<p><b>6</b> For UPS without SBU, set the Mains/Branch circuit breaker to Off position and apply the LOTO procedure on the Mains/Branch circuit breaker.</p>	
<p><b>7</b> Command the UPS to "Internal Power Off" through the LCD display (Home → Control → UPS → Internal Power Off).</p>	 <p>The screenshot shows the 'UPS' menu with the following options: Turn UPS On without AC, Internal Power Off (selected), and Clear UPS Alarms. There are 'ESC' and 'OK' buttons at the bottom right.</p>

<p>8</p>	<p>Set the "SYSTEM ENABLE SWITCH" on the back panel of UPS to OFF position.</p>	 <p><b>SYSTEM ENABLE</b> <b>TOTAL POWER OFF</b></p> <ul style="list-style-type: none"><li>• Set System Enable Switch to STANDBY </li><li>• Set Mains / Branch Circuit Breaker to OFF.</li><li>• Disconnect internal Battery Modules.</li><li>• Disconnect external Battery Cabinets (if provided).</li><li>• Disconnect Maintenance Bypass source (if provided).</li></ul> <p>885-92712B <span style="float: right;">8/10/13B</span></p>
<p>9</p>	<p>Turn off the battery module(s) by setting the BATTERY ON/OFF switch to OFF. <b>NOTE:</b> This step is applicable only for battery module(s).</p>	
<p>10</p>	<p>Loosen the thumbscrew to disable the module and unlock the latch.</p>	
<p>11</p>	<p>Loosen the thumbscrew securing the XBP power cable connector to the UPS battery connector. If XBP is not connected, skip to step 12. <b>NOTE:</b> Not all UPS have XBPs.</p>	
<p>12</p>	<p>Remove the XBP power cable connector from the UPS battery connector.</p>	

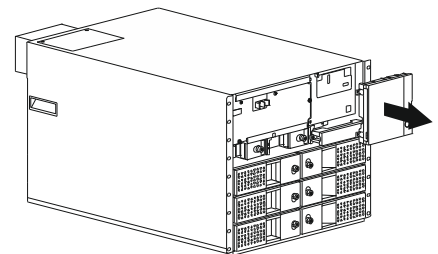
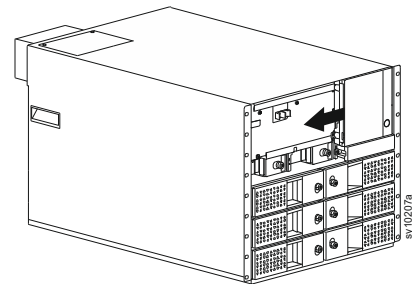
**13** Open the front bezel and remove it.

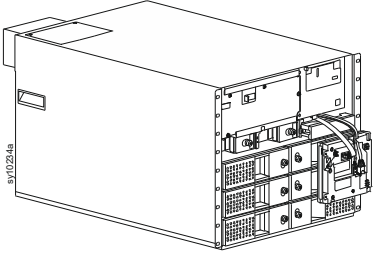
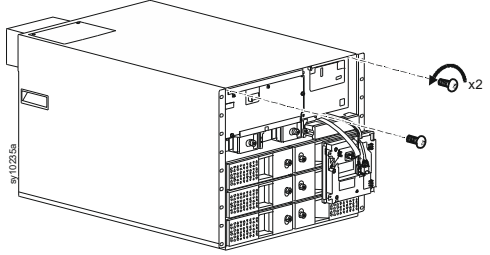
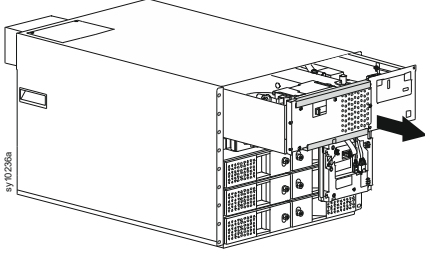
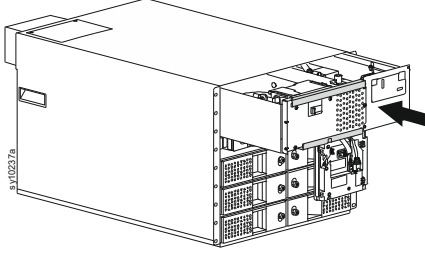
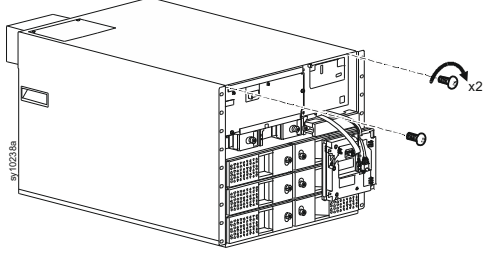
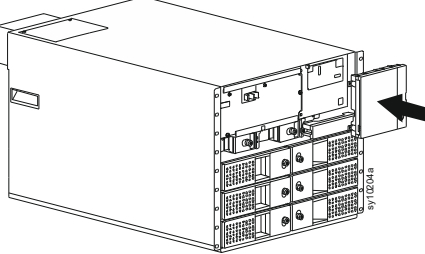


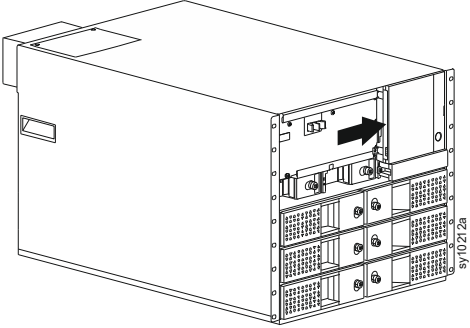
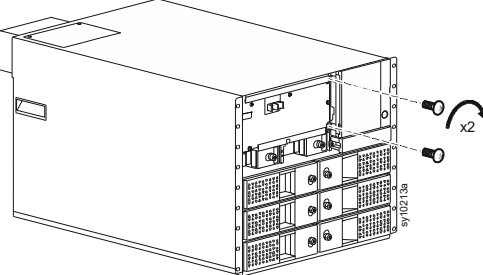
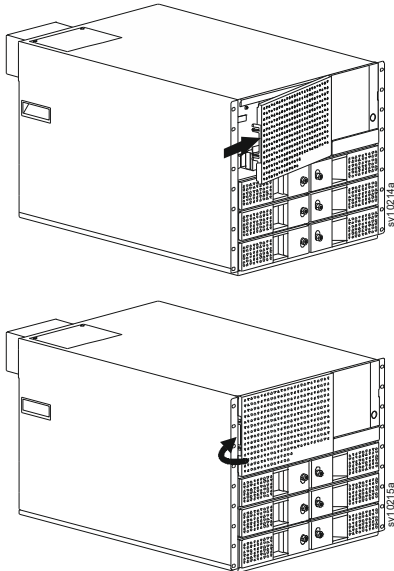
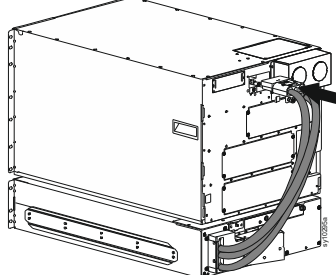
**14** Locate the screws securing the display module to the chassis and unfasten them.

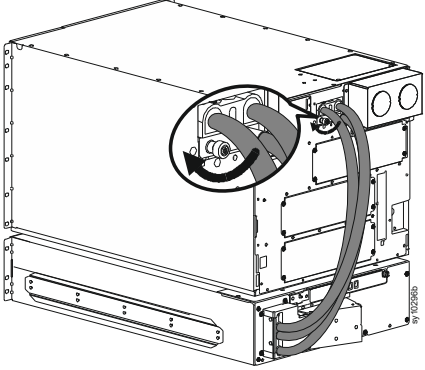
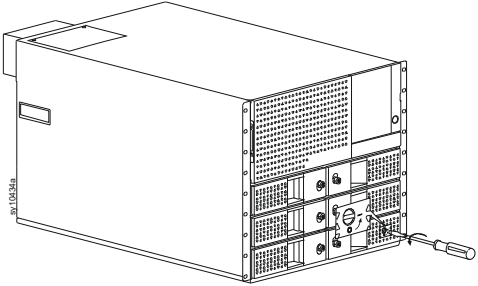
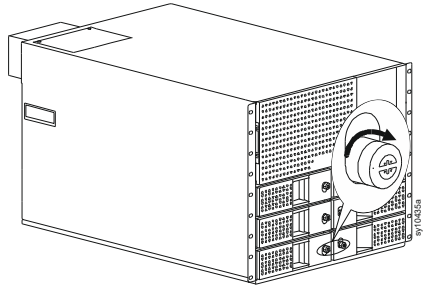

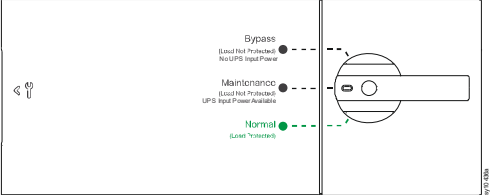


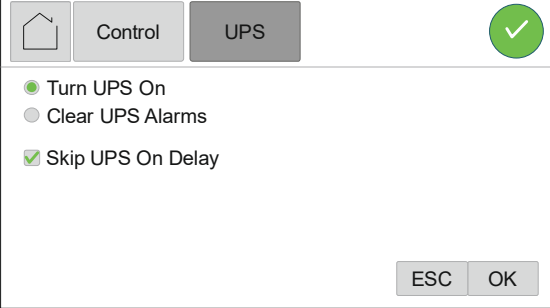
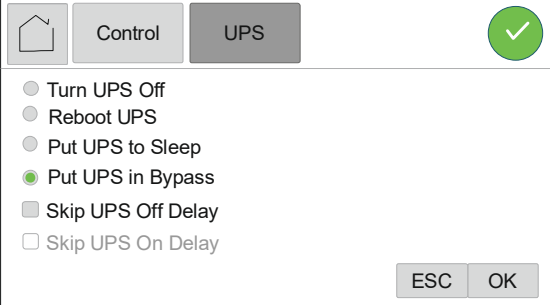
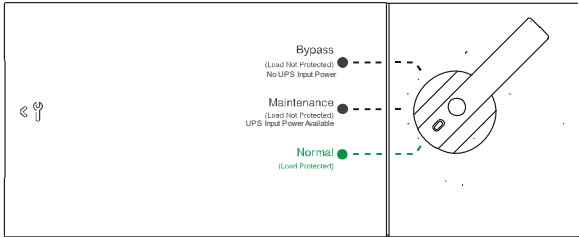
**15** Unlock the display module from the chassis by sliding it to the left and remove the display module.



<p><b>16</b></p>	<p>Allow the display to hang freely.  <b>NOTE:</b> Handle the display gently to be sure that it does not get damaged.</p>	
<p><b>17</b></p>	<p>Remove the screws (2x) securing the AC Tray to the chassis.</p>	
<p><b>18</b></p>	<p>Pull out the AC Tray using handles (shaded parts in the illustration) provided for this purpose.          Be sure to use both hands while pulling out the AC tray.</p>	
<p><b>19</b></p>	<p>Insert the replacement AC Tray.</p>	
<p><b>20</b></p>	<p>Secure the AC Tray to the chassis using the screws (2x) removed in step <b>17</b>.</p>	
<p><b>21</b></p>	<p>Position the display module on the chassis.  <b>NOTE:</b> Be sure that the cable connectors are secured to the ports on the display module.</p>	

<p><b>22</b></p>	<p>Lock the display module to the chassis by sliding it to the right.</p>	
<p><b>23</b></p>	<p>Secure the display module using the screws unfastened in step 14.</p>	
<p><b>24</b></p>	<p>Install the front bezel and close it.</p>	
<p><b>25</b></p>	<p>Insert the XBP power cable connector into the UPS battery connector.. If XBP is not connected, skip to step <b>27</b>.</p>	

<p>26</p>	<p>Tighten the thumbscrew to secure the XBP power cable connector to the UPS battery connector.</p>	
<p>27</p>	<p>Turn on the battery module(s) by setting the BATTERY ON/OFF switch to ON. <b>NOTE:</b> This step is applicable only for battery module(s).</p>	
<p>28</p>	<p>Tighten the thumbscrew to enable the module and lock the latch.</p>	
<p>29</p>	<p>Set the "SYSTEM ENABLE SWITCH" on the back panel of UPS to ON position.</p>	<div style="border: 1px solid black; padding: 10px;"> <p><b>SYSTEM ENABLE</b> <b>TOTAL POWER OFF</b></p> <ul style="list-style-type: none"> <li>• Set System Enable Switch to <b>STANDBY</b> </li> <li>• Set Mains / Branch Circuit Breaker to <b>OFF</b>.</li> <li>• Disconnect internal Battery Modules.</li> <li>• Disconnect external Battery Cabinets (if provided).</li> <li>• Disconnect Maintenance Bypass source (if provided).</li> </ul> <p>885-92712B <span style="float: right;">8910433a</span></p> </div>
<p>30</p>	<p>If a Service Bypass Unit (SBU) is connected to the UPS, then remove the Lockout Tagout (LOTO) on the SBU switch and set the SBU switch to the Maintenance position. Otherwise remove the LOTO procedure on the Mains/Branch circuit breaker and set breaker to ON position.</p>	
<p>31</p>	<p>Wait 3 minutes for the UPS system to complete the initialization process.</p>	

<p>32</p>	<p>Command the UPS to "Turn UPS On" through the LCD display (Home → Control → UPS → Turn UPS On &amp; Skip UPS On Delay). Wait for UPS output to turn ON.</p>	
<p>33</p>	<p>If Service Bypass Unit (SBU) is not connected to UPS, skip below steps. If a Service Bypass Unit (SBU) is connected to the UPS, then proceed with below steps Command the UPS to operate in bypass mode (command bypass) through the LCD display (Home → Control → UPS → Put UPS in Bypass).</p>	
<p>34</p>	<p>Set the switch on the SBU to the Normal position.</p>	
<p>35</p>	<p>Command the UPS to return from bypass mode to Online Mode through the LCD display (Home → Control → UPS → Return UPS from Bypass).</p>	