

## Platinum 24V DC Systems

### VFD Programming


#### Description

The Platinum 24V DC system uses VFDs that may be programmed via an 1002284 ABB ACP-CP-A faceplate.

The faceplate is available with the program pre-loaded for customer convenience.

Keypad Part Number	Program Loaded – Electrical Supply
1002285	380-480 VAC 3 phase
1002286	220-240 VAC 3 phase
1002287	220-240 VAC 1 phase

#### Procedure – Pre-Programmed Keypad

1. Plug the faceplate into the VFD with the power to the drive off.
2. Turn on the power and turn the fans on.  
**Note:** Ensure cabinet doors are closed and all personnel are clear of the ECU before starting the fans.
3. Place the drive in LOC mode by pressing LOCREM button .
4. Go to **Main** menu.
5. Select **Copy** mode.
6. Download the program by selecting **uL** and then **dL A**.
7. Wait until the program is 100% downloaded.
8. Once all necessary changes have been made, press LOCREM again to place the drive in REMOTE mode.
9. Turn the power to the drive off and remove the programming keypad.
10. Restore power to the drive.
11. Connect the ECU to output terminals V2, U2 and W2.
12. Run the fans at 100% for 1 minute to verify function. The display should show 60 Hz.  
**Note:** Ensure cabinet doors are closed and all personnel are clear of the ECU before starting the fans.

**How to upload and download parameters**

For the upload and download functions available, see above. Note that the drive has to be in local control for uploading and downloading.












Step	Action	Display
1.	Go to the Main menu by pressing  if you are in the Output mode, otherwise by pressing  repeatedly until you see MENU at the bottom.	<div style="border: 1px solid black; padding: 5px;">                     LOC  <div style="text-align: center; font-size: 2em; font-weight: bold;">PAR</div> <div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <span>MENU</span> <span>FWD</span> </div> </div>
2.	If the panel is not in the Copy mode ("CoPY" not visible), press key  or  until you see "CoPY".  Press  .	<div style="border: 1px solid black; padding: 5px;">                     LOC  <div style="text-align: center; font-size: 2em; font-weight: bold;">CoPY</div> <div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <span>MENU</span> <span>FWD</span> </div> </div>
		<div style="border: 1px solid black; padding: 5px;">                     LOC  <div style="text-align: center; font-size: 2em; font-weight: bold;">uL</div> <div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <span>MENU</span> <span>FWD</span> </div> </div>
3.	To upload all parameters (including user sets) from the drive to the control panel, step to "uL" with keys  and   Press  . During the transfer, the display shows the degree of completion in percent.  To perform downloads, step to the appropriate operation (here "dL A", Download all, is used as an example) with keys  and   Press  . During the transfer, the display shows the degree of completion in percent.	<div style="border: 1px solid black; padding: 5px;">                     LOC  <div style="text-align: center; font-size: 2em; font-weight: bold;">uL</div> <div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <span>MENU</span> <span>FWD</span> </div> </div>
		<div style="border: 1px solid black; padding: 5px;">                     LOC  <div style="display: flex; justify-content: space-between; font-size: 1.5em;"> <span>uL</span> <span>50 %</span> </div> <div style="text-align: right; font-size: 0.8em;">FWD</div> </div>
		<div style="border: 1px solid black; padding: 5px;">                     LOC  <div style="display: flex; justify-content: space-between; font-size: 2em; font-weight: bold;"> <span>dL</span> <span>A</span> </div> <div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <span>MENU</span> <span>FWD</span> </div> </div>
		<div style="border: 1px solid black; padding: 5px;">                     LOC  <div style="display: flex; justify-content: space-between; font-size: 2em; font-weight: bold;"> <span>dL</span> <span>50 %</span> </div> <div style="text-align: right; font-size: 0.8em;">FWD</div> </div>

Figure 1: Keypad programming manual excerpt