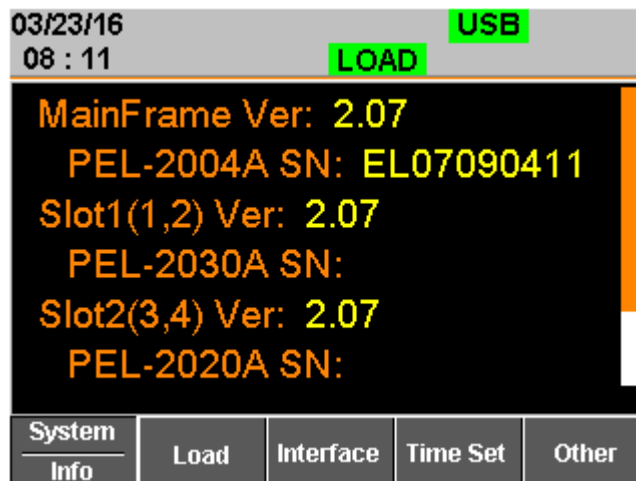# Introduction:

The PEL-2000A mainframe is downward compatible with the PEL-2000 series load modules and it can host both PEL-2000A and PEL-2000 load modules together. The PEL-2000 mainframe with software version V1.XX is not able to control PEL-2000A load modules. Therefore, it needs to be upgraded to PEL-2000A by the mean of software upgrade (software V2.XX) in order to be able to host both PEL-2000 and PEL-2000A load modules.
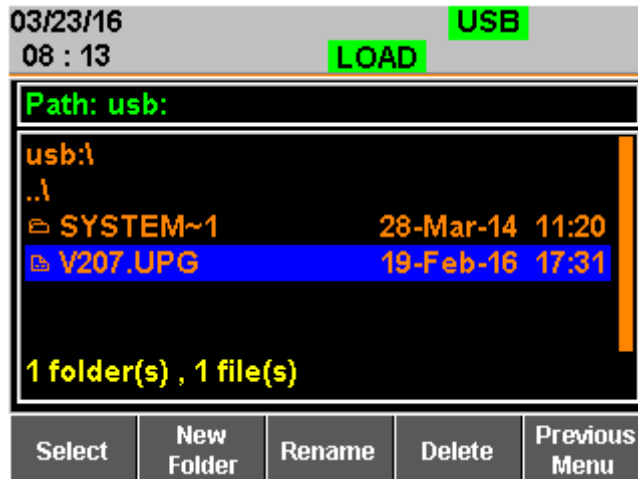
PEL-2000 software upgrading procedure:

1. Check the software version of the PEL-2000 mainframe.
    1.1 Press the Shift button on the mainframe. Then press the Help button to enter the Utility function menu.
    1.2 Press the F1 button to enter the System Info menu.

    1.3 Check the mainframe's software version. If MainFrame Ver: shows version 1.XX, please follow the below procedure to upgrade.

2. PEL-2000 software upgrade procedure (PEL-2000 to PEL-2000A mainframe upgrade) :

    2.1 Do not insert any load modules when you upgrade the software for the first time (see 2.5 below).
    2.2 Insert a USB flash drive containing the V2_XX.UPG software on the front panel USB slot of the mainframe.

2.3   Press the FILE button on the mainframe. Press the F1 key to select Media USB. Press F5 key to enter the File Utility.

2.4   Select the path where the software is located on the flash driver. The V2_XX .UPG must be highlighted in blue. Press F1 button to start upgrading.

2.5   Upgrade the software a second time:

    2.4.1 When the original PEL-2000 mainframe is upgraded to V2_XX .UPG for the first time, please don't insert any load modules as said at step 2.1. Wait until the first upgrade completes.

    2.4.2 After the first upgrade has finished, insert the load modules and perform the upgrade operation a second time. If load modules were inserted during the first upgrade, the PEL-2000 mainframe might hang up.

3.   Software upgrading procedure is completed.

    After the above steps are completed, the software version of the mainframe is now that of the PEL-2000A. This software version allows such a PEL mainframe to control both PEL-2000 and PEL-2000A load modules at the same time. Both load modules can be mixed together.