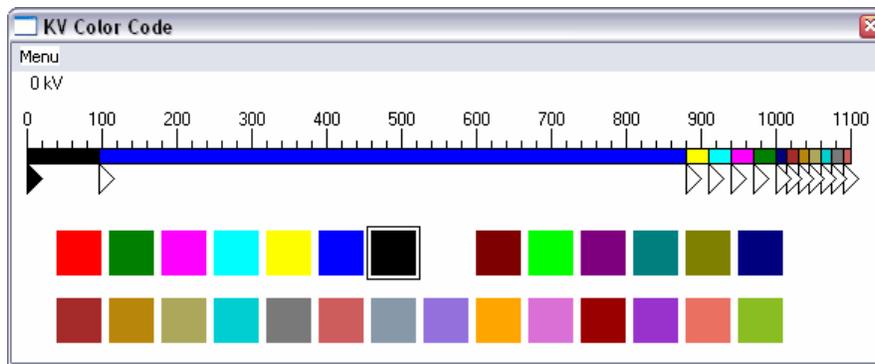


What's New in Version 12 of *ASPEN Power Flow*

The following are the new features in version 12 of *ASPEN Power Flow*.

1. **Faster simulation.** Improved simulation logic speeds up the power flow solution. The improvement is especially noticeable for large networks.
2. **Special color code:** A new Diagram | Color | Special Color Code command lets you select special colors for fictitious object created by boundary equivalence and for objects with or without certain tag strings.
3. **Enhanced one-line diagram color code:** We have doubled the number of “stops” in the kV Color Code dialog box. We have also doubled the number of colors available.



4. **Auto-Save feature:** The program saves the data to a temporary file once every 5 minutes. When you reopen the same olr file after an unexpected program termination, the program will ask you whether you wish to restore the last saved data.
5. **Lock one-line graphics command.** By executing the Diagram | Lock One-Line command you can prevent the one-line graphics from being disturbed while you simulate power flows and change network parameters. When the graphics is locked, the message “Locked 1-L” will appear in the status pane at the bottom of the main window. You can unlock the graphics any time by executing the same command.
6. **Flicker-free drawing in all the windows.**
7. **Improved Diagram | Show/Hide Buses in Areas or Zones command.** You can now select multiple zones or areas for showing or hiding. Previous versions could show or hide only one area or zone at a time.
8. **Enhanced Add tag command:** You can apply tag string to connected equipment, and highlight tagged objects on the one-line diagram.
9. **PowerCalc Spreadsheets:** You can add unlimited number of Excel-compatible spreadsheet objects to the one-line diagram. PowerCalc spreadsheet calculation can include network data and power flow simulation solutions. PowerCalc display on the one-line can incorporate select spreadsheet cells, which is refreshed dynamically with calculation result.
10. **Bus sorting option in the Place Bus dialog box.** Two new radial buttons let you sort buses by bus name or by bus number.

Installing ASPEN Power Flow Version 12

Note: If you are running OneLiner and Power Flow as a combined executable, you need not install the Power Flow Program separately; you can ignore the rest of this document.

To install *Power Flow* Version 12 on your PC, here is all you need to do:

- 1. Backup your data, just in case.**
- 2. Run d:\PF\setup, assuming d: is the CD drive on your PC. Windows administrative privilege is required.**

The setup program will create a directory on your hard disk and copy the program files there. The program directory is c:\Program Files\ASPEN\PFv12 by default.

The setup program also creates a folder named “ASPEN Power Flow v12” under Windows’ Start | All Programs menu. Within this folder are icons for running the Power Flow Program, the Case Comparison Program and other auxiliary programs.

Starting with version 12, the line table file (usually aspen.ltb) must reside in the Library Directory – and not in the program directory.

If you are making a new installation of Power Flow v12, the setup program will create a Library Directory at c:\Documents and Settings\All Users\ASPEN\LPF_LIB (the location varies depending on your Windows version) and put a copy of your line table file there.

Version 12 Installation Questions and Answers

Q: Does Power Flow v12 work under Windows 7 and 8?

A: Yes. There are no known problems.

Q: *Power Flow* v12 complains that the network Hasp key cannot be found when I start up the program. I didn’t have this problem with version 11.

A: Your network-key initialization file needs to be copied to the new program directory. More specifically, copy the file NETHASP.INI from the v11 program folder (usually c:\Program File\ASPEN\PFv11) to the v12 program folder (c:\Program Files\ASPEN\PFv12).

Q: Do I need Windows administrative privilege to setup version 12?

A: This version of the setup program will not start unless you have Windows administrative privilege. It makes no difference whether or not you want to install the key driver.

Q: In the Configuration Program, what is the “Access to remote HASP HL-net key via Sentinel Runtime (experimental)” option?

A: SafeNet, the manufacturer of the HASP keys, is offering a new way of hosting network keys that lets you customize and monitor the network-key connection through a web browser. This new method does not require the use of a stand-alone license-manager software. Please contact ASPEN tech support (support@aspeninc.com) if you are having trouble with the current network license manager and wish to try this alternative approach. To make the new system work, we will have to exchange your network key with a new one.