Enerplot
Offline Plotting & Analysis

WHAT IS NEW IN ENERPLOT V1.1.1

Since Enerplot v.1.1.0

Date: June 25, 2026

To display “What’s New” documents for other Enerplot versions and MHI products, please refer here.

Functionality Deficiency Fixes

Newer Power Flow (PSLF) File Format Support Added (#10592)

Enerplot now supports Power Flow (formerly PSLF) file versions 22, 23 and 24, in addition to the previously supported versions 16 to 21.

Python Interpreter Upgrade (#10610)

The embedded Python interpreter has been upgraded from Python 3.7 to Python 3.13.5, allowing embedded scripts access to new features of the language. These include a simpler syntax for dictionary union operations, the walrus operator (:=), debug-style f-strings (f"{expr=}"), and improved type-hint syntax to name a few.

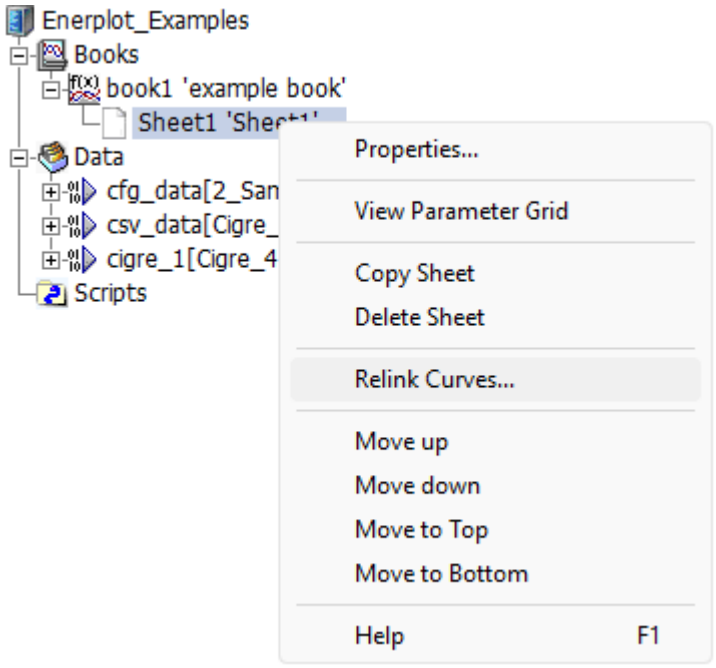
New Python Script Record Functions Added (#9635)

We have added a handful of new Python scripting functions to this latest version of Enerplot. Additional script record functions are:

- Relinking and delinking curves.
- Removal of a dataset from the workspace.
- Changing canvas size.
- Changing values in the parameter grid.

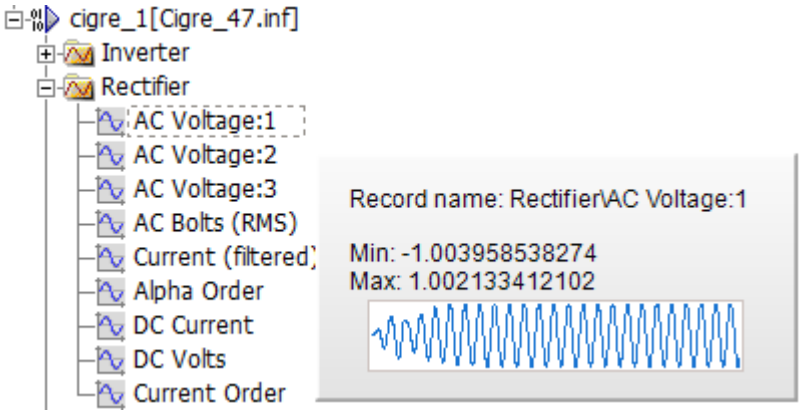
Dataset Relinking/Delinking Now Available in Sheet Context (#9150)

Delinking and/or Relinking Datasets referenced to a Book may now be performed from the context of a Sheet. In previous versions, this was available only at the Book level.



Data Record Tooltip Speed Improved (#7423)

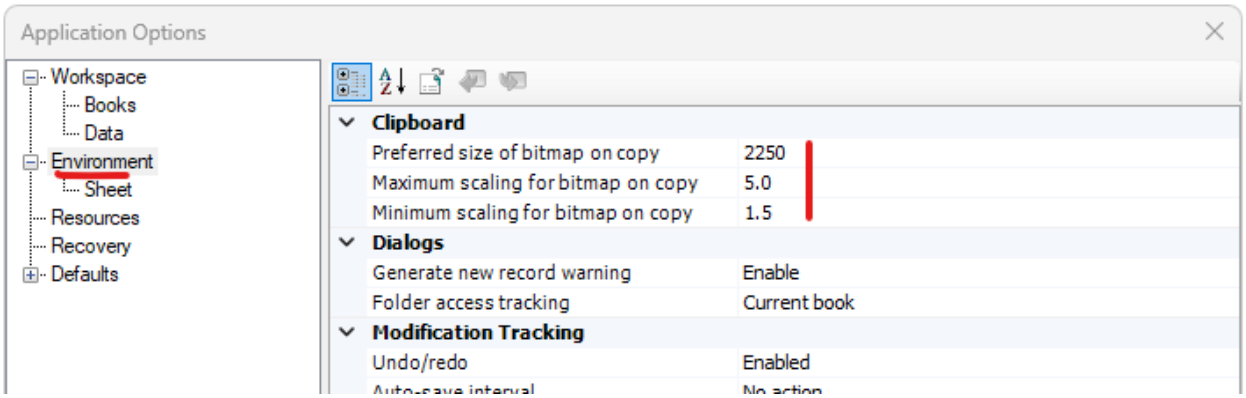
Viewing record data contents via the tooltip is now bullet fast.



Bitmap Scaling Added to Application Options (#9734)

New application options have been added to the dialogue *Environment* category, which provide some adjustability to how bitmaps are handled by the clipboard when copied from Enerplot.

- Preferred Size in Pixels
- Maximum and Minimum Scaling



Bug Fixes

The following is a list of bugs that were discovered and fixed since the latest, previously released product.

1. Empty strings in data files are no longer interpreted as 0 with no notification to the user. Empty strings are now interpreted as NaN, with a warning to the user (#9684).
2. Enerplot no longer displays garbage data on sheet canvas tooltip when Alt key is depressed (#9717).
3. Proper Python script statements are now generated when recording the creation of canvas objects (#9714).
4. Adding a group box via the sheet context menu now functions properly (#9728).
5. Selections can now be properly nudged with via the arrow keys. Nudging selection of individual components off canvas is no longer allowed (#9771).
6. **Enerplot no longer crashes when unloading or reloading a dataset that is in the process of loading (#9841).**
7. Record label changes are now reflected properly in the curve legend display (#9819).
8. The buttons for adding and removing individual records from exported COMTRADE files are now functioning properly (#9947).

9. Flybys displaying quantities of translated curves now display the correct, translated values (#9937).
10. **Python script now properly sets and gets curve properties (such as bold, etc.) (#9965).**
11. Curve smoothing is no longer lost when the x-axis properties of the graph frame housing the graph, is modified (#10109).
12. Other sheets that source a particular dataset are no longer affected when relinking a sheet from that same dataset (#10103).
13. Curve smoothing is no longer lost when the source data is reloaded (#10110).
14. Records in datasets that are generated from EMTDC output (*. psout) files can now be used properly in the Record Wizard (#10239).
15. **Enerplot no longer crashes when attempting to load an EMTDC output (*. psout) file that does not exist (#10090).**
16. Modification of a record name from within the Record Wizard now properly updates a records label in the data tree (#10719).
17. Records added with the Python function `add_channel` are now properly populated with data (#10805).
18. Loading a dataset while recording a Python script now properly records the action `load_datafiles` (not `load_books` as before) (#10806).
19. **Enerplot no longer crashes when executing the Python command `new_datafile` twice with the same file name (#10803).**
20. Enerplot now uses correct character encoding when reading/writing files (including non-ASCII characters) (#10804/#10859).
21. Changing the orientation of a sheet now sets the dirty flag of the associated book (#10889).
22. The parameter grid now functions properly when used on the Data branch in the workspace (#10937).
23. Data files containing only a single column of data will no longer be allowed to load as a dataset (#7384).
24. Some printing functionality, such as printing multiple sheets with different orientations, and an All Pages and Current Page function (#9278).
25. It is now possible to open a 'locked' EMTDC output (*.psout) file with write access restricted by the operating system (#10579).
26. Recording a Workspace | Reload action now produces the proper Python script (#3).

27. **Signals recorded within multi-instance page modules in PSCAD are now properly plotted as distinct traces. Previously, the results from the first instance (i.e. 0th instance) were duplicated for all instances (#10645).**
28. Licencing dialogues no longer persist on top of all other applications when open (#57).
29. **Enerplot now properly displays all runs in an PSCAD Advanced Output file (*.psout), organized into aptly labelled Record Group folders (#10015).**
30. **Enerplot no longer crashes when the 'h' key is pressed with a focus on overlay or stacked graphs (#60).**
31. The Zero Sequence Scripting example project now runs successfully to completion (#62).
32. **Enerplot no longer enters a bad state and crashes when rapidly clicking on a graph while a record is being loaded into memory (#84).**
33. A bug was fixed in the importer, specifically for binary COMTRADE files. These now load properly (#65).
34. **Enerplot no longer crashes when using the Record Wizard with one loaded dependency and one unloaded dependency (#67).**
35. **Enerplot will no longer crash if you try to import a record while it is being modified/written by a PSCAD simulation (#68).**