

Details of DER-VET Release v1.2.3 February 6, 2023 (I)

- **Feature:** EPRI code signing certificate added to Windows GUI Installer
 - The digital certificate ensures that the software can be safely downloaded
- **Bug:** Controllable Load Technology not working
 - DER-VET GUI can now save this technology to a project
 - DER-VET CLI will allow this technology to be active
- **Bug:** System Requirement Constraints not working correctly
 - POI constraints set with max_export and max_import corrected to include generation from all technologies.
 - User service minimum constraints can ignore values by setting them to 0
 - Have DR and RA minimum DER dispatch power constraints exclude Load and Intermittent Power
- **Bug:** Backup Energy Service not working
 - Allow the creation of a minimum energy constraint

Details of DER-VET Release v1.2.3 February 6, 2023 (II)

- **Feature:** Improvements to Reliability Sizing module
 - Uses a 72-hour continuous period centered on critical load peak for checking infeasibilities
 - Fixes the size of non-ESS DERs first and then iterates on ESS sizing
 - **Bug:** GUI does not allow some sub-hourly time step frequencies
 - Simplify and fix how the backend handles input time frequencies
 - **Bug:** Results files show data as a fractions of 1 with a percent label
 - Report all relevant data in percent (0-100) and with a percent label (%)
 - **Bug:** Battery Auxiliary Load input not recognized
 - Adds to Total Load, and to aggregate power variables for POI constraints
- *Please view the CHANGELOG files for more details.*

Details of DER-VET Release v1.2.2 July 11, 2022

- **Bug**: Reliability Service fails to cover an outage
 - DER-VET was exclusively calculating post-facto reliability
 - *This bug was introduced in v1.1.2 (September 2021)*
 - **SOLUTION**: bring back missing System Requirement with Minimum SOE
- **Bug** (*command-line*): Mishandling of empty input time series values
 - DER-VET was silently replacing missing/empty values with zeroes
 - **SOLUTION**: Disallow empty input time series values and warn user (in LOG file) about the specific column. *exception for Battery Max and Min limits.
- **Bug** (*GUI*): Batteries with 'Known size' cannot be saved without error
 - **SOLUTION**: change the default attribute to false for maxDuration
- **Feature** (*command-line*): Improvements to the Migration Script
 - Better error messaging

Details of DER-VET Release v1.2.1 May 4, 2022

- Bug: Export of a Project from the GUI would not Import
 - *Fixed in v1.2.1*
- Battery parameter: duration_max (hours)
 - *GUI will now hide this setting when NOT sizing a battery*
 - *Backend will ignore this value when NOT sizing a battery, and provide a WARNING message to the user.*

www.der-vet.com

Thank you for reporting bugs to us.

Please do send any new bug reports to us and we will address them.

Any feedback is welcome.

Recap of DER-VET Release v1.2.0 March 30, 2022

- Bug Fixes (*Python backend, GUI*)
- Improved fuel cost methods (*Python backend, GUI*)
- Support for Python 3.8
- New Thermal Load Technologies (*Python backend only*)
- User Experience Improvements (*GUI*)

www.der-vet.com

Thank you for reporting bugs to us.

Please do send any new bug reports to us and we will address them.