RELEASE NOTES

PW9253A
PathWave Advanced Battery Test and Emulation

2026.1 Version Information

Release Date:	August 28, 2026
Requirements Category:	Microsoft Windows 11, Microsoft Windows 10 (64-bit, version 1809 or later)
System Requirements:	**Processor: Intel Core i5 (or equivalent)** **RAM: 16GB** **Storage Drive: 900MB free space** **Display Resolution: 1920x1080 recommended**
Supported Instruments:	www.keysight.com/find/BenchVueInstruments
Release Type:	Major Update Release
File Name:	PathWaveAdvancedPowerApplicationSuite-2026.1-Setup.exe

New Features and Enhancements

- Added support for the RP5900 DC Regenerative Power Supply in "Power Control & Analysis" and "Battery Test & Emulation"
- Added support for the EL4900 DC Regenerative Electronic Load in "Power Control & Analysis
- Improved usability, stability, and overall performance through defect fixes.

KEYSIGHT

Previous Release Name

2026 Version Information

Release Date:	February 27, 2026
Requirements Category:	Microsoft Windows 11, Microsoft Windows 10 (64-bit, version 1809 or later)
System Requirements:	**Processor: Intel Core i5 (or equivalent)** **RAM: 16GB** **Storage Drive: 900MB free space** **Display Resolution: 1920x1080 recommended**
Supported Instruments:	www.keysight.com/find/BenchVueInstruments
Release Type:	Major Update Release
File Name:	PathWaveAdvancedPowerApplicationSuite-2026-Setup.exe

New Features and Enhancements

- Improved usability, stability, and overall performance through defect fixes.

2025.1 Version Information

Release Date:	August 31, 2025
Requirements Category:	Microsoft Windows 11, Microsoft Windows 10 (64-bit, version 1809 or later)
System Requirements:	**Processor: Intel Core i5 (or equivalent)** **RAM: 16GB** **Storage Drive: 900MB free space** **Display Resolution: 1920x1080 recommended**
Supported Instruments:	www.keysight.com/find/BenchVueInstruments
Release Type:	Major Update Release
File Name:	PathWaveAdvancedPowerApplicationSuite-2025.1-Setup.exe

New Features and Enhancements

- Added support for the B2900 Series Precision Source/Measure Units (SMU) series in "Battery Test & Emulation".
- Added support for the RP5900 DC Regenerative Power Supply in "Power Control & Analysis" and "Battery Test & Emulation".
- Added support for the EL4900 DC Regenerative Electronic Load in "Power Control & Analysis".

- Introduced the ability to manually add instrument connections within the application.
- Improved usability, stability, and overall performance through defect fixes.

2025 Version Information

Release Date:	May 31, 2025
Requirements Category:	Microsoft Windows 11, Microsoft Windows 10 (64-bit, version 1809 or later)
System Requirements:	**Processor: Intel Core i5 (or equivalent)** **RAM: 16GB** **Storage Drive: 900MB free space** **Display Resolution: 1920x1080 recommended**
Supported Instruments:	www.keysight.com/find/BenchVueInstruments
Release Type:	Major Update Release
File Name:	PathWaveAdvancedPowerApplicationSuite_2025_Setup.exe

New Features and Enhancements

- Expanded support for the latest B2900C series in “IV Curve Measurement” module.
- Enabled Constant Power (CP) in RP7900 Series Regenerative Power Supplies for "Power Control and Analysis" module.
- Integrated software functions into the programming environment via Python API.
- Addressed defects to improve usability, stability, and overall performance.

2024.2 Version Information

Release Date:	Nov 30, 2024
Requirements Category:	Microsoft Windows 11, Microsoft Windows 10 (64-bit, version 1809 or later)
System Requirements:	**Processor: Intel Core i5 (or equivalent)** **RAM: 16GB** **Storage Drive: 900MB free space** **Display Resolution: 1920x1080 recommended**
Supported Instruments:	www.keysight.com/find/BenchVueInstruments
Release Type:	Major Update Release
File Name:	PathWaveAdvancedPowerApplicationSuite_2024.2_Setup.exe

New Features and Enhancements

- Added support for new RP7900 Series Regenerative Power Supplies: RP7971A and RP7981A.

- Enabled dynamic charging capability in the "Battery Test and Emulation" module.
- Implemented functionality to load settings from BV9200/01/10/11B applications.
- Integrated software functions into the programming environment via API.
- Addressed defects to improve usability, stability, and overall performance.

2024.1 Version Information

Release Date:	Sep 30, 2024
Requirements Category:	Microsoft Windows 11, Microsoft Windows 10 (64-bit, version 1809 or later)
System Requirements:	**Processor: Intel Core i5 (or equivalent)** **RAM: 8GB** **Storage Drive: 900MB free space** **Display Resolution: 1920x1080 recommended**
Supported Instruments:	www.keysight.com/find/BenchVueInstruments
Release Type:	Major Update Release
File Name:	PathWaveAdvancedPowerApplicationSuite_2024.1_Setup.exe

New Features and Enhancements

- Introducing two modules: "Power Control and Analysis" and "Battery Test and Emulation," both capable of operating independently, which can be used for various testing needs.
- Real-time data transfer is enabled from the "Power Control and Analysis" Data Logger module to the "Battery Test and Emulation" Discharge module.
- Enable temperature monitoring for Cycler operation.
- Fixed defects to improve stability, usability, and performance.

2023.2 Version Information

Release Date:	June 13, 2023
Requirements Category:	Microsoft Windows 11, Microsoft Windows 10 (64-bit, version 1809 or later)
System Requirements:	**Processor: Intel Core i5 (or equivalent)** **RAM: 8GB** **Storage Drive: 900MB free space** **Display Resolution: 1920x1080 recommended**
Supported Instruments:	www.keysight.com/find/BenchVueInstruments

Release Type:	Major Update Release
File Name:	PathWaveBenchVueAPCA-2023-2-Setup.exe

New Features and Enhancements

Multi-connection support:

- Synchronous current-voltage measurements on up to 8 channels on the B2900 series
- Synchronous current-voltage measurements on up to 40 channels on the PZ2100 series

2023.1 Version Information

Release Date:	Apr 27, 2023
Operating System:	Microsoft Windows 10 (64-bit, version 1809 or later)
System Requirements:	**Processor: Intel Core i5 (or equivalent)** **RAM: 8GB** **Storage Drive: 900MB free space** **Display Resolution: 1920x1080 recommended**
Supported Instruments:	www.keysight.com/find/BenchVueInstruments
Release Type:	Major Update Release
File Name:	PathWaveBenchVueAPCA-2023-Setup.exe

New Features and Enhancements

The PW9251A (PathWave BenchVue IV Curve Measurement) key features include:

- Easily and quickly performing synchronous current-voltage (I-V) measurements without programming
- Immediately reviewing test results on graphs with markers and tables
- Efficiently making reports or post-processing by exporting graphs in image files and tables in csv files
- Easily repeating/reviewing the test result by loading/saving the test results with entire test setups
- Experience the full range of the application's capabilities without the need for a software license by previewing its features in Demo Mode