

Save Up to 5% with the BV9301A Value Bundles

For EVs/HEVs battery testing



Why EVs/HEVs Battery Testing Matters

The battery is the key enabler for electrified transportation in EV subsystems. Making extensive measurements and testing during the design and manufacturing phases of battery cells is critical. Faulty and poorly designed batteries can result in degraded performance and a shorter battery service life. Thus, it is crucial for EV batteries to deliver extremely high levels of performance.

Gear up for the EVs/HEVs Battery Testing

Performance testing is the key to formulating a good battery design for EVs/HEVs. It is a crucial process involving the phases of design, production, and system integration to ensure that all batteries are of the highest quality in operational performance and safety. The BV9301A value bundles that pair the Pathwave BenchVue BV9210B/11B and RP7900 two-quadrant power supply is a complete turnkey solution that allows battery simulation and performance testing to be done with up to 600kW and 2000V.

RP7900 series regenerative power supplies

The Keysight RP7900 Series regenerative power supply provides both sourcing and electrical loading up to 30 kW per instrument. A bidirectional supply is ideal for testing energy storage, particularly in EVs/HEVs industry.

- Operate in two-quadrant mode as a power source and regenerative electronic load
- Connectivity includes LAN (LXI Core), USB, and GPIB.
- Up to 2000 V, up to ± 800 A, up to 30 kW per instrument.
- Create up to 600 kW power or load through an easy parallel connection.

Pathwave BenchVue BV9210B/11B

The BV9210B/11B enables you to continuously measure voltage and current while emulating a battery and storing the measurement results. Additionally, the software allows you to load multiple battery models created at different temperatures, which is a must-have for EVs/HEVs battery testing.

- See how your EVs/HEVs consume power and simulate actual vehicle batteries.
- Import existing battery model data or integrate it into an existing program with API calls.
- Test and emulate batteries up to 600 kW and up to 2 kV.
- Profile batteries through charge/discharge to create a unique battery model.
- Emulate charge states to reduce test time, improve safety, and test repeatability.
- View the charge/discharge and cycle battery process to determine a battery's capacity and loss of capacity.

Save more when you buy the BV9301A value bundle

If you are into EVs/HEVs battery testing, wait no further and grab this limited-time value bundle today.



Bundle options	RP7900	BV9210B/11B ¹	Total Savings ²
Option 1	1 unit of RP7900	1 x BV9211B	3% or up to \$1.1K
Option 2	2 units of RP7900	1 x BV9211B	2% or up to \$1.5K
Option 3	2 units of RP7900	1 x BV9210B	5% or up to \$4K
Option 4	4 units of RP7900	2 x BV9210B	5% or up to \$8K

Notes:

1. 36-month Node Locked subscription license
2. Discount amounts are estimated based on US reference pricing and may vary across different regions.

To Take Advantage of this Offer

Contact your local [Keysight representative](#) or [authorized partner](#) to learn more about this offer.

For more information

To learn more about Keysight BV9210/11B, visit:

www.keysight.com/us/en/product/BV9210B/advanced-battery-test-and-emulation-software-for-multiple-instru.html

To learn more about Keysight RP7900, visit: www.keysight.com/us/en/products/dc-power-supplies/ate-system-power-supply/rp7900-series-regenerative-programmable-power-supplies-5kw-10kw.html

For more information on Keysight Technologies' products, applications, or services, please visit: www.keysight.com



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