

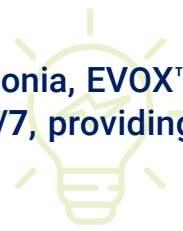
GREEN, GRID-INDEPENDENT EV CHARGING ANYWHERE 24/7



With the steady, steep rise in EVs entering our roads, the electricity infrastructure can't keep up. Grid expansion is complex and slower than that of EVs expansion - causing the main barrier to expanding charging infrastructure and reinforcing EV drivers' range anxiety.

GenCell's EVOX™ is a disruptive technology that fills this gap. The EVOX™ leverages fuel cells to complement energy storage, creating the ultimate EV charging solution that produces power on-site.

Fueled by zero-emission hydrogen and ammonia, EVOX™ ensures charging stations keep running 24/7, providing reliable, fast charging to multiple vehicles.



Watch A Demo →

OUR BENEFITS

GENCELL EVOX™

24/7 Grid-independent - lets you generate your own power on-site 24/7 in any weather or grid conditions

Suits fast, super and turbo DC charging types and multiple car charging

Zero-emission & compliant with renewable energy incentives

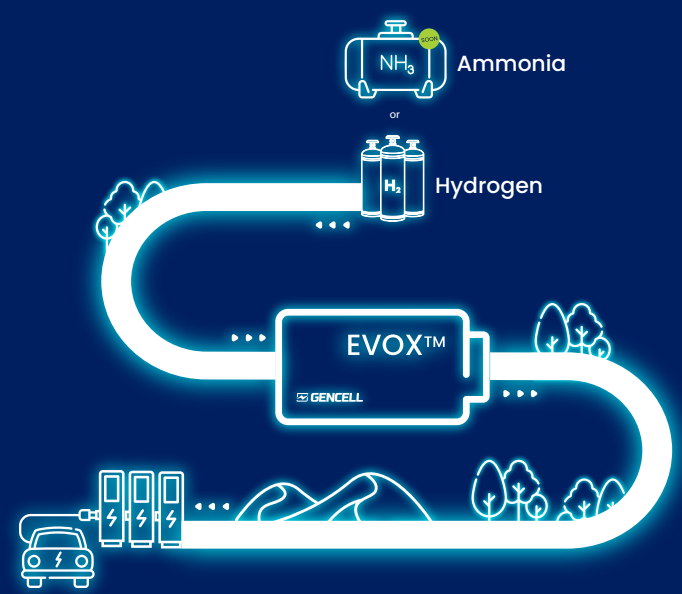
Smart real-time site management software optimizes cost, efficiency, and performance

Rapid deployment cuts lead time; modular & scalable with low maintenance

How does it work?

The GenCell EVOX™ solution is scalable - which allows flexible combinations and configurations.

Incorporating a **372 - 500kWh** energy storage device with up to 920kWh stored as hydrogen, each EVOX™ unit delivers 480kWh per day. The solution can service multiple fast DC chargers (50 - 250kW), typically enabling each vehicle to reach a charge of 80% energy capacity **within 12 - 30 minutes** - anywhere, anytime, independent of the grid.



Smart Energy Management Software Optimizes Power Resources

GenCell EVOX™ incorporates smart real-time energy site management software to manage the allocation of available power sources and monitor the energy consumed by EV charging. Automating this process allows achievement of optimal cost, efficiency, and performance.



EVOX™ in the Field: GenCell and E.V. Motors Pure Energy Deploy First Autonomous Hybrid Off-Grid EV Charging Stations

"We are very glad to have connected with GenCell to provide a sustainable and environmental energy solution for our charging stations, thus offering the market a reliable, clean and effective solution".

Ohad Seligmann
Co-founder and Chairman
EV MOTORS LTD.



Technical Details



Rated power	150 kW
Output voltage	230/400
Specific H2 fuel consumption	70g/kWh *Ready for ammonia fuel*
Noise pressure (@1m)	<64db
Operating temperature	-20°C up to +45°C (-4°F up to +113°F)
Operating humidity	10-95%RH, Non-condensing
Operating altitude (above sea level)	Up to 2500m (8200 ft)
Storage temperature	-20°C up to +55°C (-4°F up to +131°F)
Installation capability	Outdoor
Emissions	Heat, water vapor

Inventory management	✓	Type, version, site, mfg date, etc;
Performance management	✓	V, A, kWh, TTM, H2, Etc;
Fault management	✓	Error Logging, Remote HMI, Data Logging
Configuration management	✓	SW ver., SW/FW updates
Integration/Interoperability	✓	Web Interface, MODBUS, APIs, D/Is
Certifications and compliance	✓	FC Safety - IEC/EN 62282-3-100 Info. Tech. Safety IEC 60950-1 Safety of Machinery IEC 60204-1 Electrical Appliances Safety IEC 60335 RFI Disturbances EN55011 EMC Immunity EN61000-6-2

