



# GenCell EV0X®

## Multipurpose green, grid-independent BRIDGE power - combining hydrogen-fueled generation, software and energy storage for resilient, uninterrupted DC fast charging, backup & 24/7 emergency operations

- ↳ Resilient bridge power ensures critical public electric fleets 24/7
- ↳ Grid-connectable battery storage + fuel cell generation + EMS software in portable, 20 ft. containers facilitate rapid dispatchability, mobility, flexibility and modularity
- ↳ Supplementary power for routine DC fast charging operations doubles during outages as a grid-independent backup power source for facilities, emergency and disaster response
- ↳ Rapid deployment of 3-phase 480V power supply in areas lacking infrastructure for EV charging can substitute or postpone costly, time-consuming grid upgrades to overcome the growing power gap caused by mandates for expanded electrification
- ↳ Island-able microgrid and DER development potential to support EV charging and reliable backup power in diverse, remote off-grid locations and underdeveloped / disadvantaged communities
- ↳ 100% zero-emission hydrogen-fueled solutions comply with sustainability incentives and are eligible for a variety of grants and tax credits
- ↳ Unique EV EMS optimizing resource consumption, peak shaving and dynamic loads reduces the ongoing cost of EV charging

## OUR BENEFITS

Fills the power gap where grid power is insufficient or non-existent



Steps up voltage at existing 120/208 sites to support Level 3 DC fast charging without upgrading grid infrastructure



Long-duration backup power for critical infrastructure, facilities and fleets enabled by on-site power generation technology



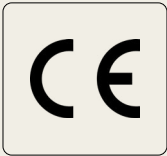
## GENCELL EVOX WALKTHROUGH WITH HAIM MOSHE, VP Customer Services



# TECHNICAL SPECIFICATIONS

Input Parameters	
AC Frequency	60Hz
AC Voltage	480V 3P4W, 181A or 208V 3P4W, 250A
Power Factor	0.95
Output Parameters	
Rated Output Power	382kW to 532kW
EVSE Output Voltage	277/480VAC 3-phase
Additional Power Output	120VAC and 240VAC
Emergency External Power	220VAC
Battery System Parameters	
Rated Output Real Power	372kW
Rated Output Reactive Power	372kVAR
Rated Output Apparent Power	372kVA
Energy	372.5kWh
Chemistry	Lithium Iron Phosphate
Nominal DC voltage	1331.2V
DC Voltage Range	1164.8-1497.6V
Rated Charging/Discharging Current	280A
Power Factor Range	-1.0 to +1.0
Cooling Mode	Liquid Cooling
Environment Parameters	
Operating Temperature	-20C to 45C (4F to 113F)
Storage Temperature	-20C to 55C (4F to 131F)
Humidity	10% to 95%RH, non condensing
Altitude	2500m (8200ft)

Noise Level	<64dB
Emissions	Heat, water, vapor
Fuel Cell Parameters	
Fuel Type	Hydrogen Gas 99.95% or higher
Specific Fuel Consumption	< 70 g/kWh
Energy Production	240kWh Daily Capability
Fuel Storage	External Cylinders
Electrolyte	28-32%
Mechanical Parameters	
Dimensions (L X W x H meters)	6.058 x 2.438 x 2.373m
Weight (kg)	12700.6 kg
Safety Parameters	
Fire Suppression System	Fire Detector, Smoke Detector & Fire Extinguisher
Hydrogen	Hydrogen Safety System
Certifications and Compliance	
FC Safety	IE/EN 62282-3-100
Info Tech Safety	IEC 60950-1
Machinery Safety	IEC 60204-1
Electrical Appliance Safety	IEC 60335
RFI Disturbances	EN55011
EMC Immunity	EN61000-6-2
UL Report	UL 9540 Certification
Lithium Battery	UN38.3
Lithium Battery	UN3536



## ABOUT GENCELL



**GenCell Energy** (TASE: GNCL) develops GreenFSG power solutions based on reliable, zero-emission alkaline fuel cells, Hydrogen2Power™, Ammonia2Power™ and Water2Power® technologies that deliver uninterrupted power to help the world #SayNoToDiesel and transition to clean energy.

The ability to produce not only clean power from GenCell’s fuel cells, but also the green fuel on which the fuel cells run, sets GenCell in a far superior position as a well-to-wheel total green energy solution provider.

GenCell delivers resilient, robust and weather-resistant backup power for utilities, telecom, EV charging and other mission-critical applications which have been deployed in 23 countries.

GenCell numbers some 130 employees, including veterans of space and submarine projects. With GenCell Inc. based in Los Angeles, CA, the company operates a worldwide distribution and support network and retains unique intellectual property that includes patents, trade secrets and know-how.

➔ **CONTACT US**

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