

Fuel Cell Power for Today's Material Handling Equipment.

In today's evolving material handling industry, operational performance enhancements are key to growing a thriving business. And, the predictability of your productivity can be the main differentiator separating you from your competition. Plug Power's GenDrive® hydrogen fuel cell systems elevate lift truck performance to exceed the demanding requirements of high-volume manufacturing, warehousing and distribution operations. Your sit-down counterbalanced trucks will move more pallets faster, as time spent dealing with depleted batteries is now eliminated.

Tested. Proven. Rugged. Reliable. GenDrive has accumulated over five million operating hours at customer sites across North America. The standardized suite of GenDrive products are an economically viable power solution designed to streamline operations and maximize fleet uptime, all while reducing greenhouse gas emissions at your facility.

Powerful Benefits

- Increased Productivity By Up To 15%
 - Higher throughput per shift
- Lower Operational Costs By Up To 30%
 - Eliminate battery change out
- More Operational Space
 - Battery rooms eliminated
- Reduce Site Emissions By Up To 80%
 - Safe, clean, zero emission power sources
- Significantly Reduce Peak Power Demand
 - Demands for high-cost electricity eliminated

GenDrive® Series 1000

- 3-Wheel Sit-Down Trucks
- 4-Wheel Sit-Down Trucks



POWER
RAK
HEAD

Fuel Cell Hybrid System

Our proven combination of fuel cell stack and advanced power management technology balances the need for rapid acceleration with operational efficiency, while generating zero greenhouse gas emissions.



Simplified System Platform and Electrical Architecture

GenDrive is designed with simplicity in mind. Commonized parts are used throughout the unit's system and electrical architecture to ensure interchangeability between models.

GenDrive runs better than a fully-charged battery, 24x7. The unit's constant voltage provides less wear and tear on the truck's electronics, reducing maintenance costs.

Hydrogen Storage System

GenDrive holds enough fuel to sustain a counterbalanced truck for an entire 8 hour shift. Fueled in approximately 3 minutes, GenDrive reduces vehicle and personnel downtime. All GenDrive units run at the same operating pressure, simplifying your hydrogen infrastructure.

System Controller

GenDrive's ability to communicate with your lift truck helps monitor fuel cell stack and system performance to optimize output, support effective planned maintenance and reduce total cost of ownership.

Unit Size and Electrical Connector

GenDrive is designed to fit seamlessly into the truck's existing battery compartment and comes equipped with the industry standard Anderson truck connector of your choice.

Freezer Capability

The power provided by GenDrive remains superior in freezer applications. Unlike lead-acid batteries, which deplete even faster in extremely low temperatures, the fuel cell units maintain constant performance in environments as low as -22°F.

PRODUCT SPECIFICATIONS	1500	1600		1700	
Nominal Voltage	36 VDC	36 VDC	48 VDC	36 VDC	48 VDC
Maximum Continuous Power ¹	8 kW	8 kW	10 kW	8 kW	10 kW
Dimensions	38.3" x 24.7" x 22.6"	38.5" x 27.2" x 22.75"		38.6" x 32.82" x 23.0"	
Weight	2,150 lbs	2,250 lbs		3,000 lbs	
Operating Temperature	-22°–104°F	-22°–104°F		-22°–104°F	
Connector	SB 350	SB 350		SB 350	
FUELING SPECIFICATIONS					
Hydrogen Storage	1.5 kg	1.6 kg		1.8 kg	
Pressure	350 bar	350 bar		350 bar	
Fill Time	< 3 min	< 3 min		< 3 min	

¹At 1 hour rating.

Specifications subject to change without notice. Information based on standard products working under normal operating conditions.



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