

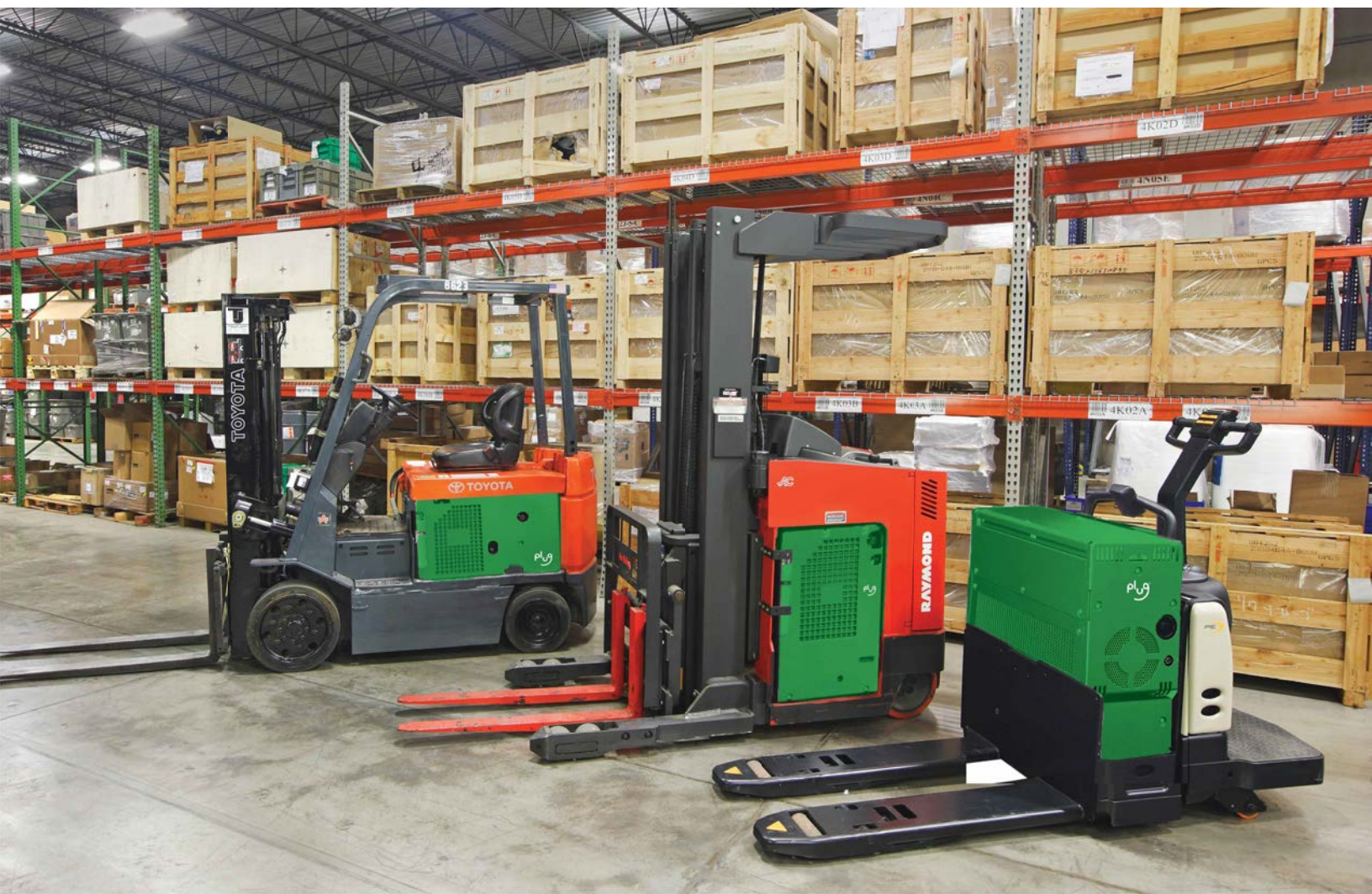


Green Hydrogen at Work™

GenDrive

Fuel Cell Power for Today's Fast-Paced Warehouses

In today's evolving material handling industry, operational performance enhancements are key to growing a thriving business — especially during challenging times. The predictability of your productivity can be the differentiator separating you from your competition. Plug's GenDrive® hydrogen fuel cell systems elevate lift truck performance to exceed the demanding requirements of high-volume manufacturing, warehousing and distribution operations.



Increased Productivity. Increased Profits. Reduced Emissions.

GenDrive fuel cell electric vehicles have accumulated nearly 1 billion operating hours at customer sites globally. The standardized suite of GenDrive products is an economically-viable power solution designed to streamline operations, maximize fleet uptime, and increase profits while reducing greenhouse gas emissions at your facility.



Increased Productivity

- Higher throughput per shift
- Less than three minutes refueling



Increased Profits

Eliminates:

- Battery changes
- High-cost Electricity
- Battery rooms



Reduced Emissions

- Safe
- Clean
- Zero Emission Power Sources

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 fuel cells are designed with simplicity in mind. Platform design drives common parts, ensuring interchangeability between models, simplifying service and maximizing uptime.

Electric material handling equipment runs better on GenDrive fuel cells than on 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 reach truck for an entire 8-hour shift. Fueled in approximately 2 minutes, GenDrive reduces vehicle and personnel downtime. Hydrogen fueling stations are placed in locations that maximize uptime for operators.

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





GenDrive Series 1000

- Up to 25KW nominal rated power
- Sustains counter balance trucks for an entire shift
- 36V, 48V, 80V options available

1000 Series

"1000S Product Specifications"	1500 Series		1600 Series			1700 Series	
Nominal Voltage (VDC)	36	48	36	48	80CE	36	48
Rated Power Capacity (kW)	22	25	22	25	TBD	22	25
Dimensions (L" X W" X H")	"Min 38.25 x 24.69 x 22.62 Max 38.25 x 24.69 x 23.12"		"Min 38.6 x 27.2 x 22.75 Max 38.6 x 32.5 x 23.25"		"Min 32.6 x 24.7 x 24.6 Max 40.4 x 39.2 x 30.4"	"Min 38.6 x 32.8 x 23 Max 38.6 x 40.35 x 25.5"	
Weight (LBS)	Min: 2150 / Max: 2260		Min: 2246 / Max: 3382		Min: 3428 / Max: 4561	Min: 3000 / Max: 4650	
Operating Temp. (°F)	32 to 104°F (0 to 40°C)						
Fueling							
Hydrogen Storage (kg)	1		1.4		1.8	1.7	
Pressure	350 bar						
Fill Time	< 3 min						



GenDrive Series 2000

- Up to 25KW nominal rated power
- Sustains reach trucks for an entire shift

2000 Series

"2000S Product Specifications"	2100 Series	2200 Series	2300 Series	2400 Series	2600 Series	2700 Series
Nominal Voltage (VDC)	24	48CE	36	36	48	48
Rated Power Capacity (kW)	10	22	22	22	25	25
Dimentions (L" X W" X H")	"Min: 35.98 x 14 x 30.8 Max: 37 x 14 x 30.8"	48.1 x 16.5 x 30.7	38.3 x 17.75 x 30.75	"Min: 38.3 x 20.25 x 30.75 Max: 38.53 x 20.26 x 31"	"Min: 38.3 x 22.5 x 30.75 Max: 43.9 x 24.1 x 30.75"	44.3 x 27.9 x 30.75
Weight (LBS)	Min 1425 / Max 1600	2541	2300	Min: 2300 / Max 2600	2900	3145
Operating Temp. (°F)	-22 to 104°F (-30 to 40°C)					
Fueling						
Hydrogen Storage (kg)	0.7	1.2	1.1	Min: 1.1 / Max: 1.7	1.1	1.1
Pressure	350 bar					
Fill Time	< 2 min					



GenDrive Series 3000

- Up to 10KW nominal rated power
- Sustains 24V pallet jacks for an entire shift

3000 Series

"3000S Product Specifications"	3200 Series	3300 Series	
Nominal Voltage (VDC)	24CE	24	24CE
Rated Power Capacity (kW)	2.6	10	Min: 2.6 / Max: 3.5
Dimensions (L" X W" X H")	24.7 x 11.2 x 24.7	"Min 30.8 x 12.8 x 30.6 Max 30.8 x 12.8 x 35"	"Min: 30.86 x 12.8 x 29.76 Max: 30.94 x 12.99 x 30.7"
Weight (LBS)	496	Min: 590 / Max: 1002	
Operating Temp. (°F)	-22 to 104°F (-30 to 40°C)		
Fueling			
Hydrogen Storage (kg)	0.5	0.7	
Pressure	350 bar		
Fill Time	< 1.5 min		



GenDrive Series 6000

- Up to 10KW nominal rated power
- Sustains tow trucks for an entire shift

6000 Series

"6000SProduct Specifications"	6000 Series	6100 Series
Nominal Voltage (VDC)	36	48CE
Rated Power Capacity (kW)	10	3.5
Dimensions (L" X W" X H")	35.75 x 16 x 25	32.7 x 16.3 x 24.6
Weight (LBS)	514	1232
Operating Temp. (°F)	32 to 104°F (0 to 40°C)	
Fueling		
Hydrogen Storage (kg)	0.44	0.7
Pressure	350 bar	
Fill Time	< 1.5 min	



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