

# GenDrive™

## FUEL CELL PRODUCTS TO POWER PALLET TRUCKS

### HYDROGEN FUEL CELL SOLUTIONS FOR MATERIAL HANDLING OPERATIONS.

Designed specifically for the demanding requirements of high-throughput warehousing, distribution and manufacturing operations, GenDrive™ fuel cell solutions combine full-shift duty with high speed performance to maximize the effectiveness of your operation.

#### Powerful Benefits

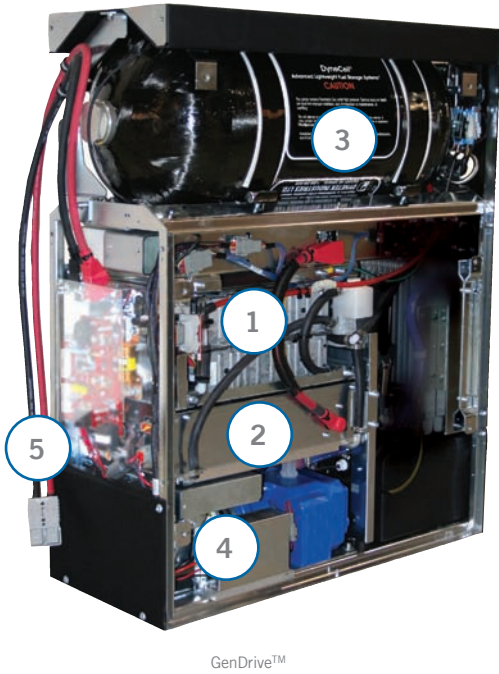
- **Increased Productivity**  
Higher throughput per shift
- **Lower Operational Costs**  
Eliminate battery change out
- **Additional Commercial Space**  
Battery rooms eliminated
- **Zero Emissions**  
Safe, clean and efficient power sources
- **Transparent Transition**  
Fits seamlessly into the battery compartment

*Recharge Your Workforce,  
Not Your Batteries.*

E-mail us at [gendrive@plugpower.com](mailto:gendrive@plugpower.com) or visit [www.plugpower.com](http://www.plugpower.com) to learn more.



## Clean, Constant, Full-Shift Motive Power



GenDrive™

- 1. Fuel Cell Hybrid System:** Our proven combination of fuel cell stack and advanced batteries balances the need for rapid acceleration with operational efficiency, while generating zero emissions.
- 2. DC/DC Converter:** Unique proprietary design provides a seamless transition between power supplied by the fuel cell and the advanced batteries, creating an optimal balance in electrical performance at constant voltage.
- 3. Hydrogen Storage System:** Holds enough fuel to sustain a pallet truck for an entire shift at full speed. The units deliver maximum output and can be fueled in as little as 60 seconds, substantially reducing vehicle and personnel downtime.
- 4. Systems Controller:** Intelligently monitors diagnostics, stack and system performance to optimize output, support effective planned maintenance and reduce total cost of ownership.
- 5. Unit Size and Electrical Connector:** Designed to fit seamlessly into the existing battery compartment and equipped with the SB 175 industry standard pallet truck connector, GenDrive is a drop-in replacement for lead-acid batteries.

### PRODUCT CHARACTERISTICS

### GD-3M24

Power Output	
Nominal Voltage	27 Vdc
Operating Voltage Limits	18-31 Vdc
Output Current: Continuous <sup>1</sup>	78 A
Output Current: 5 Second Burst	400 A
Peak Output Current: <1 second	1125 A
Hydrogen Storage	0.8 kg
Equivalent Nominal Ahr Rating	550 Ahrs
Power Input	
Regenerative Current Input (Maximum)	500 A
Mechanical and Electrical Interfaces	
Dimensions	13"x31"x38.5"
Weight	590 lbs
Electrical Connector	SB 175
Storage and Operating Conditions	
Ambient Temperature Range	32°F - 104°F

<sup>1</sup> at 85°F Ambient  
Specifications subject to change without notice.



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