



Hybrid Power

Medium-Duty Pick-up/City Delivery Applications

EH-6E606B-CD

Roadranger®

More time on the road™

Eaton's Patented Low Profile Hybrid Electric System Improves Fuel Economy up to 50 percent While Reducing Emissions and Noise in Pick-up and Delivery Applications Requiring Reduced Vertical Spatial Claims.

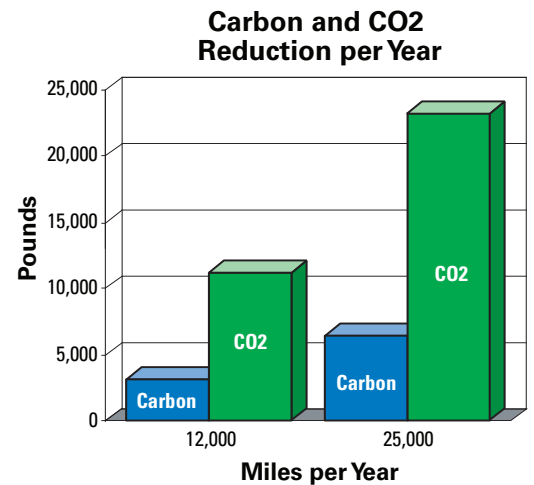
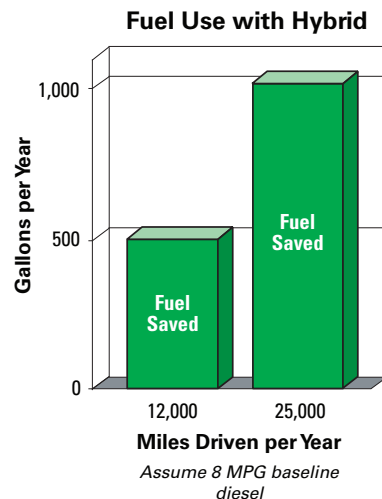
Eaton's hybrid electric system is well suited for applications that require frequent starts and stops such as city delivery and pick-up and delivery. The system provides up to 50 percent improvement in fuel economy and significantly reduces emissions while maintaining performance and functionality. The latest offerings include a lower profile option for vehicles that require less vertical space such as step vans. The low profile option also includes an integrated park mechanism for vehicles without air brakes.



System Benefits*:

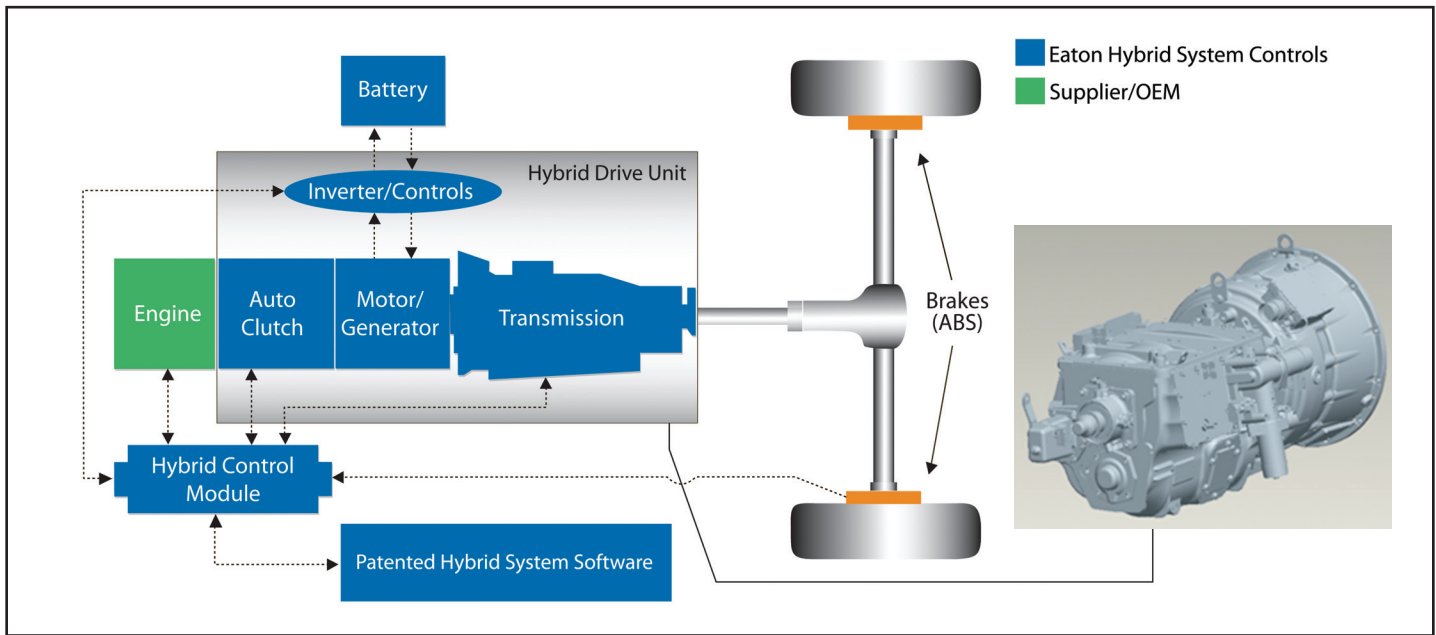
- Up to 50 percent improvement in fuel economy using Eaton's patented hybrid solutions.
- Regenerative braking recharges batteries leading to reduced braking and engine wear.
- System can provide an electric boost for hills and rapid acceleration when needed.

* Dependent on duty cycle, driver behavior and operating conditions.



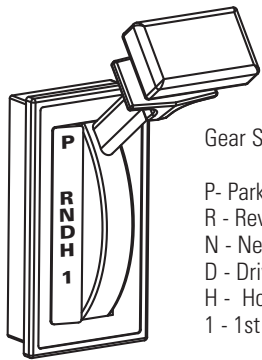
An Eaton Green Solution

Hybrid Power



Eaton's medium-duty hybrid electric system uses a Fuller® automated transmission with a parallel hybrid system. It incorporates an electric motor/generator located between the output of an automated clutch and input of the transmission. Using Eaton's patented hybrid system controls, the system recovers and stores energy normally lost during braking into batteries. When electric torque is blended with engine torque, the stored energy is used to improve fuel economy and vehicle performance for a given speed.

Low Profile Hybrid with Park Position:



Gear Selections

- P- Park
- R - Reverse
- N - Neutral
- D - Drive
- H - Hold
- 1 - 1st

Ratios and Steps:

GEAR	RATIO	% STEP
6th	.78	28
5th	1.00	59
4th	1.59	58
3rd	2.52	64
2nd	4.13	59
1st	6.55	
Reverse	6.27	
Overall	8.39 to 1	

Specifications:

Transmission: Fuller Medium-Duty Automated Manual Transmission

Speeds: 6 forward plus 1 reverse

Capacity: 660 lbs.ft. torque [895 Nm]

Total System Weight: 969 lbs. [440 kg] Includes the hybrid drive unit, clutch, batteries, and associated hardware. 280 lbs. [127 kg] weight savings achieved with the elimination of torque converter typically found in automatic transmissions.

Length: 33.4 in. [848.36 mm] from face of the clutch housing to rear of speedo gear. Fit-up compatibility is the responsibility of the vehicle manufacturer. Consult OEM for availability.

Clutch Housing: SAE #2 aluminum

Electric Motor: 44 kW peak, 60 hp/308 lbs.ft. torque [420 Nm]
26 kW continuous, 35 hp/186 lbs.ft. torque [252 Nm]

Battery System: Nominal 340 VDC / Lithium Ion

PTO Opening: Left or right, 6-bolt PTO. Extended countershaft PTO standard. Subject to application approval.

Oil Capacity: Approx. 20 pints [9.46 liters]

Gross Vehicle Weight: up to 26,000 lbs. [11,793 kg] standard, up to 33,000 lbs. [14,969 kg] on certain axles.

Additional Features:

Engine Off at Idle: This functionality will be available mid '09 and will require the addition of OEM Equipment.

Park: Transmission includes a mechanical park system for use with Hydraulic brake systems.

For more Eaton Hybrid Drivetrain system information, call 1-800-826-4357, prompt 3.

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For spec'ing or service assistance, call 1-800-826-HELP (4357) or visit our web site at www.roadranger.com. In Mexico, call 001-800-826-4357.

Roadranger: Eaton, Dana and other trusted partners providing the best products and services in the industry, ensuring more time on the road.