



INTRODUCING

HYVALUE™
TECHNOLOGY

Making
the most proven
hybrid system
even better

GM HYBRID
Leaders in advanced hybrid technology

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GM HYBRID

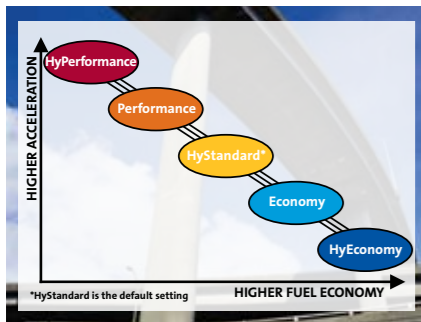
MORE PERFORMANCE • GREATER EFFICIENCY • BETTER CONTROL

In cities and on highways all over North America, the GM Allison Hybrid E^P System has proven to be one of the most efficient and reliable hybrid systems on the road today. Now, with new HyValue™ Hybrid Technology, you can tailor it to fit your particular operating needs even better.

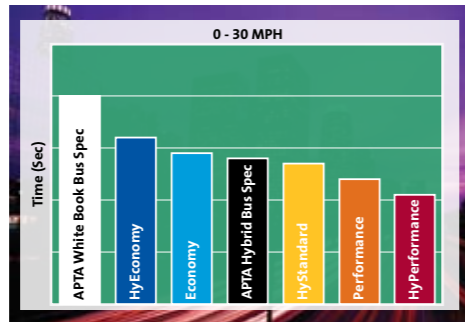
HYGAIN™

Whether it's stop-and-go city traffic or over-the-road, HyGain™ Hybrid Technology expands the choices the GM Allison Hybrid E^P System can make by controlling the level of acceleration performance, enabling the system's output torque to adapt to vehicle mass and grades as well as reducing the time the system spends near its limits.

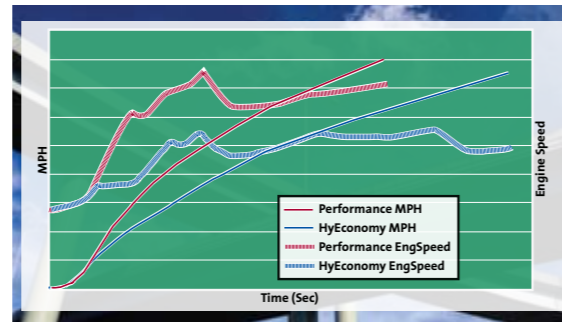
This additional control reduces driver impact on the system's efficiency, but does not affect or reduce the vehicle's gradeability or fully loaded performance.



HyGain™ Hybrid Technology provides a choice of performance calibrations to enhance the efficiency of the GM Allison Hybrid E^P System. You can choose one of five calibration levels that best suits your operating environment.



For most city stop-and-go applications, choose the Economy or HyEconomy level to reduce acceleration and improve fuel economy. HyEconomy reduces acceleration and significantly lowers engine-operating speed, which reduces accessory loads, fuel consumption and noise.



For faster acceleration, choose the Performance or HyPerformance level.

You can specify one of these levels with your OEM or use the Allison DOC™ to change levels on-site at your facility. HyGain™ Hybrid Technology requires no hardware changes to the GM Allison Hybrid E^P System and no additional driver or technician training is needed.

HYIDLE™

When higher engine idle speeds are desired at stop, HyIdle™ Hybrid Technology can handle this automatically, without requiring the driver to put the drive system into neutral.

This is beneficial in extremely hot climates because the increased engine speed when the vehicle is stopped keeps air-conditioning, fan cooling and the alternator operating at higher speeds to provide a more comfortable environment for passengers.



Idle without HyIdle™



Idle with HyIdle™

Since the GM Allison Hybrid E^P System features an infinitely variable E^P Drive, the HyIdle™ Hybrid Technology software picks a point that allows the engine to be at high idle without any increase in drive torque. That means drivers can leave the bus in range during their entire stint behind the wheel.

This feature is requested, typically from a "fast idle" dashboard switch, and a fast idle value. The value can be specified with your OEM and can be changed with the Allison DOC™.

HYTRACTION™

It takes precise control of torque to regain rear wheel traction when it's lost driving in slick conditions, such as ice and snow. HyTraction™ Hybrid Technology works with the vehicle's traction control system to adjust the system's E^P Drive™ output torque to help regain forward traction and stabilize vehicle control.



E^P System™ with HyTraction™



E^P System™ without HyTraction™

When traction control is specified with your OEM, this feature is activated in the Hybrid System Calibration. Once the OEM loads the calibration, the advantages of HyTraction™ are automatic.

HYGAIN™ + HYIDLE™ + HYTRACTION™ = HYVALUE™