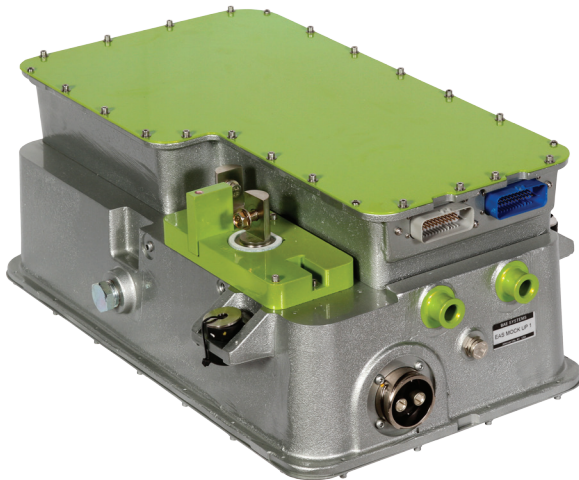


HYBRIDRIVE® ACCESSORY POWER SYSTEM (APS) LEVEL 1

The HybriDrive® Accessory Power System – Level 1 provides 28 volt DC electrical power to the vehicle. The unit functions as an electronic alternator, completely replacing the conventional belt driven alternator. It operates by converting power from the hybrid high-voltage DC system directly to 28 volt DC power.

This electronic alternator provides up to 530 amps of continuous output, more than enough capacity to power all conventional electric loads, such as cooling fans and pumps, plus all hybrid cooling systems. APS Level 1 is available for both the HDS 200 and HDS 300 systems.



Features

- Provides ample 24/28 volt DC power for all vehicle, hybrid and accessory systems
- More than double the power output of standard conventional alternators
- Supports all-electric engine cooling fans
- Provides full output even at engine idle

Benefits

- Eliminates conventional belt-driven alternator (and associated belt)
- Improves efficiency and fuel economy
- Enables engine-off with lights and ventilation operating at extended stops
- Higher reliability/lower maintenance than conventional alternator
- Improves life and reduces maintenance of 24/28 volt vehicle batteries
- Eliminates hydraulic lines and fluid associated with hydraulically driven fans (when used with electric engine cooling)

HYBRIDRIVE® ACCESSORY POWER SYSTEM (APS) LEVEL 1

HybriDrive Accessory Power System (APS) Level 1

Ratings

- 28 Volt: 530 AMPS (15 kW)
- Operating temperature:
 - Coolant temperature for full performance: -40C to 65C (45C nominal)
 - External ambient: -40C to 75C

Size (over chassis)

- Length: 22.9 in. (582 mm)
- Width: 13.3 in. (337 mm)
- Height: 9.3 in. (236 mm)

Weight — wet: 82 lbs. (37 kg)

Coolant — water ethylene or propylene glycol 15 gpm (57 lpm)

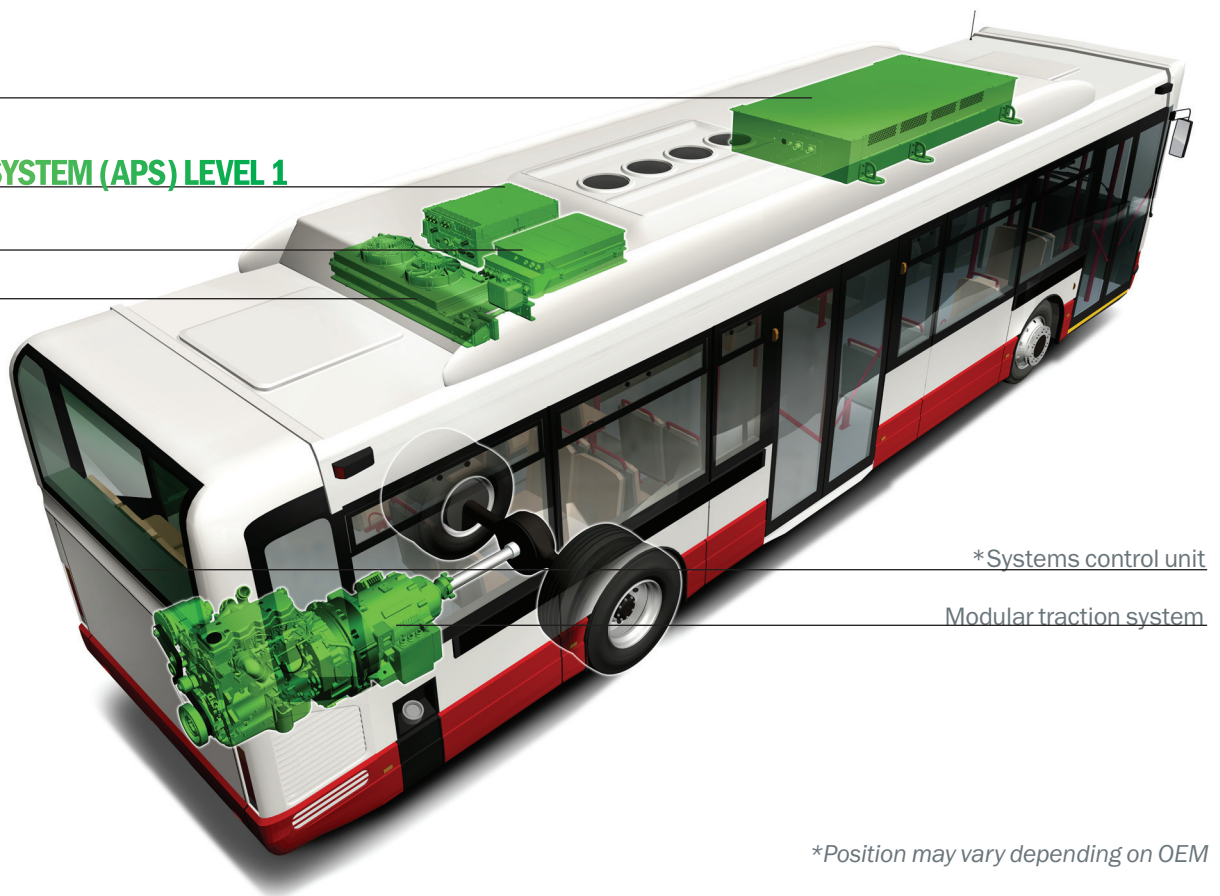
HybriDrive propulsion system components are sold as part of our HDS family of products and are available through BAE Systems qualified OEMs. Components are not sold separately.

Energy storage system

ACCESSORY POWER SYSTEM (APS) LEVEL 1

Propulsion control system

Cooling package



*Position may vary depending on OEM

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Rochester Kent ME1 2XX

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