DRS TECHNOLOGIES
A Finmeccanica Company

HMMWV Power Now, Anywhere!

On-Board Vehicle Power (OBVP)

DISCRIMINATING SYSTEM CHARACTERISTICS:

- For all HMMWV variants
- Intermediate level maintenance kit installation
- Reduces airlift and logistics footprint
- Supports rapid deployment and forward operations
- More than 30 kW stationary electric power
- 10 kW On-the-move electric power

The DRS On-Board Vehicle Power (OBVP) system is a retrofittable kit that features a Transmission-Integral Generator (TIG) with no impact to drive-train length. On-the-move power is now available to support enhanced operations in your current and future force vehicles.

OBVP supports a variety of military systems including conventional command, control and communications centers, or may be used to power a variety of emergency facilities such as field hospitals, triage units, fueling stations, or any other component requiring clean, reliable power. A single DRS Technologies' OBVP equipped HMMWV can supply the power previously generated by two HMMWV, towing two 15 kilowatt generators, without impact to the existing cargo area.

Benefits:

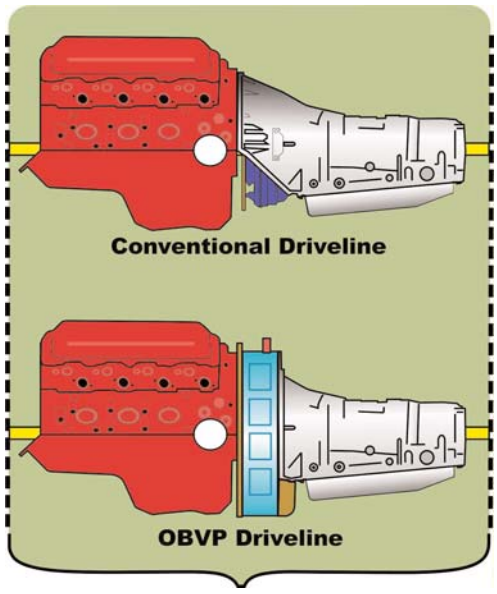
- Increases Mission Capabilities
- Power available during idle/stationary mode
- Provides high and/or low voltage, AC or DC
- Reliable: No additional belts, bearings, shafts or seals
- Doesn't create catastrophic vehicle failure
- Diagnostics and operational data reported via standard CAN bus

OBVP directly reduces the manpower, logistical complexity, fuel requirements, and time required to provide critical power in challenging environments. One operator can supply critically needed power within minutes of arrival, decreasing the operational & carbon footprint as compared to conventional systems, and reducing costly soldier manning requirements.

DRS' OBVP offers commanders operational flexibility, reliability and agility, while reducing maintenance and support costs over other power-upgrade solutions that add belts, pulleys and shafts. OBVP reduces the airlift and logistics footprint – and their related cost. What ever the need, DRS Technologies' OBVP provides Power Now, Anywhere.

HIGHLIGHTS

- **Revolutionary Transmission-Integral Generator (TIG) powered from the engine drive shaft**
- **No change in drive train length**
- **Installs within existing transmission length**
- **Intermediate level kit installation using standard mounts**
- **Power LRUs install in convenient locations**
- **More than 30 kW continuous power while stationary**
- **10kW power-on-the-move or at idle**
- **Customer specified power: delivers AC single or multiphase and/or DC**
- **Active Generator Controller**
- **Power Conditioning Modules**
  - 120/208 Vac & 28 Vdc
- **No belts, bearings, or new shafts: no associated periodic maintenance**



Power Generation with ***No Impact*** to Vehicle Driveline Space Claim

ENVIRONMENTAL

- USMC tested to Tactical Readiness Level 7 at Aberdeen Proving Grounds
- Designed to meet environmental qualifying requirements for fording, salt, sand, temperature extremes, shock, vibration, abrasion and contamination
- Water fording up to 30 inches without preparation
- Meets shock and transport shock defined by MIL-STD-810

Transmission-Integral Generator (TIG) Assembly

VOLTAGE

120/208 VAC at 50/60 Hz 4-wire and safety ground

28 volts at 10 kW per LRU – max of 3 LRUs

WEIGHT

Nominal weight 400 lb

Other mission specific outputs available on request

OBVP in stationary use (HMMWV shown)

Dependable power where and when you need it...
Power Now, Anywhere!

P2MKPS08-011
08/19/10

DRS TECHNOLOGIES

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