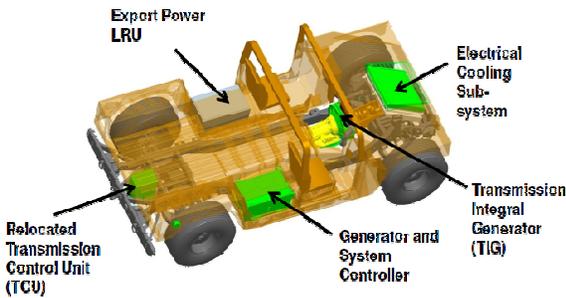


ON BOARD VEHICLE POWER- HMMWV



TAMCN: N/A

ID: N/A

NSN: TBD

Functional Description

The OBVP (ON BOARD VEHICLE POWER) HMMWV includes a Permanent Magnet Generator installed between the engine and transmission, and two power control boxes. This (currently designed for the M1152) enables the vehicle to export 10kW of 120/208 3 phase power on the move, and 30kW in stationary export mode. No modifications are made to the existing engine or vehicle alternator. The system is compatible with the MEPDIS-R family of Power Distribution Boxes.

Technical Description

<u>Unit</u>		<u>Fuel</u>	
Manufacturer:	DRS	Fuel Capacity:	N/A
Model:	N/A	Fuel Consumption(GPH):	3.45
		Fuel Requirement:	Diesel/JP-8
<u>Generator</u>		<u>Dimensions</u>	
Voltage (Volts):	120 / 208	Length (in):	N/A
Frequency (Hz):	60	Width (in):	N/A
Phase:	3	Height (in):	N/A
Wires:	5-Wire	Weight (lbs):	556
Max Export Power:	30kW	Volume (ft ³):	N/A
Power On-the-Move:	10kW		

Alternate Models No USMC alternate models.

Replaced Items No USMC items replaced.

Transportability Installed onto host vehicle.

NOTES: The system as installed does not increase the footprint of the vehicle, but changes the weight of the vehicle, nor does the system impinge on the cargo bed. This installation kit is for specific mission requirements.