

Electrifying!

HVDM[®]

High Voltage Distribution Module

A hybrid or electric bus is an electro-magnetic thing of beauty. Each is a mobile electric power plant that creates plenty of energy to share for ever increasing bus electrification demands.

That's why Vanner developed a High Voltage Distribution Module[®]. The HVDM[®] takes hybrid or electric vehicles' high voltage power and safely coordinates with other bus accessory components such as an electric air-conditioner.

The HVDM[®]'s microprocessor controls timing, monitors system functionality and power consumption via the CAN J1939 link.

The HVDM[®] provides up to 30 Kilowatts of continuous power on demand to integrated subsystems. When coupled with a Vanner HBA or EBA[®], the HVDM[®] creates a more sustainable bus that reduces emissions and increases fuel efficiency.

Vanner's HVDM[®] is your smart electrical grid for a more electrified bus.



VANNER[®]

Power Management For Transit

www.vanner.com

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VANNER®



- Smart electrification
- Distributes high-voltage to accessory components including HBA/EBA

- HVDM® provides up to 30 kilowatts of continuous power on demand to integrated subsystems
- Ask us about Death Valley hot weather testing

- Microprocessor controls timing while monitoring system functionality and power consumption via CAN communication

**J1939
Enabled**

Greater Hybrid Electrification!

- Including:
- Air conditioning
 - Power steering
 - Air compressors

Spec.

High Input Voltage	400 – 800VDC
High Input Voltage Nominal	550 – 700VDC
High Input Voltage (Max Survivable)	1,200VDC
Low Input Voltage	18 – 32VDC
Max Continuous Current	Supports 60A/Channel (Limited by Exportable Hybrid Power Rating)
Max Pre-Charge Current	10A
Max Capacitive Load	6,800 µF
Cooling Method	Passive Convection
Ambient Operating Temp	Min: -40°C (-40°F) Max: 70°C (158°F)
Storage Temp	-40°C to +105°C (-40°F to 221°F)
Chassis	Black Powder Galvannealed Steel
Dimensions	11H x 52.4D x 42W cm (4.4H x 20.63D x 16.5W inches)
Weight	13.6kg (30 lbs.)

Tech.

Typical Application/Wiring for Transit Bus

