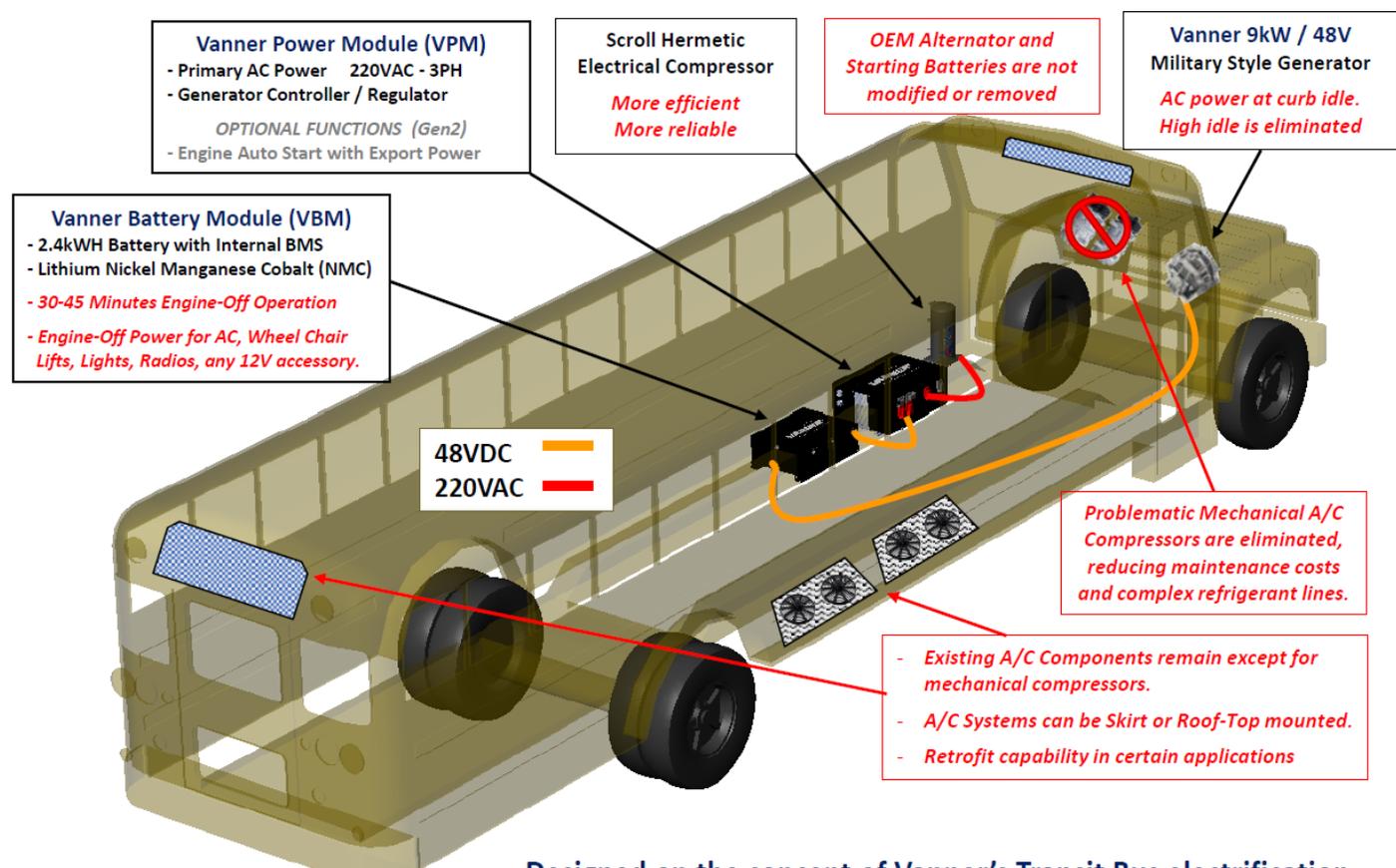




REVOLUTION

ZERO EMISSION IN THE SCHOOL ZONE

Revolution is the perfect air-conditioning system for your Special Needs Buses. Maintain a comfortable and clean climate-controlled environment with the engine off. Drivers easily comply with IDEA Standards and IEP temperature requirements during pupil loading and unloading periods.



Designed on the concept of Vanner's Transit Bus electrification technology, currently operating on over 5000 buses worldwide.

REVOLUTION

ZERO EMISSION IN THE SCHOOL ZONE

SAFETY

- Quiet engine-off operation assures driver and school monitor instructions are heard.
- In the event of a breakdown in hot weather, pupils can remain on the bus for extended periods.
- Low voltage system (<60VDC) eliminates high-voltage concerns for maintenance technicians.
- OEM alternator, starter, and battery are not modified.
- Revolution does not interfere with engine starting and supplements 12V OEM batteries.

COST SAVING

- Engine-off operation alone saves ~3 gallons of fuel a day during the loading / unloading process.
- Fuel Savings Calculation - 200 days x 2 hours idle time saved @ 1.4 gallons per hour = 560 Gallons
560 Gallons @ \$2.50 per gallon = \$1,400 annual savings in fuel alone.
- Solid-state Electronics and Scroll Compressor technology provide additional maintenance savings.
- Down-time due to refrigerant line maintenance is reduced/eliminated due to system simplification.
- No additional facility infrastructure upgrades are required for high-voltage battery charging.
- Low voltage, modular components allow school district techs to service without special training.

MAINTENANCE AND OPERATION BENEFITS

- Maintenance-free Scroll Compressor, Power Conversion Modules, and Auxiliary Battery Module.
- Eliminates costly belt-driven swash plate compressor replacement every 2-3 years.
- Refrigerant lines are removed from harsh under-hood environment, reducing leaks and recharging.
- Engine-off operation time extends maintenance intervals, reducing operating costs.
- Fuel Neutral – Diesel, Propane, Gasoline engine compatible.

DRIVER BENEFITS

- Full use of the air conditioning, wheelchair lifts, and 12V accessories with the engine off.
- Simple one-button operation for air conditioning operation, control, and status.

HEALTH BENEFITS / SUSTAINABILITY

- Clean-air environment during pupil loading / unloading.

BRIDGE TECHNOLOGY TO BATTERY ELECTRIC BUSES

Eliminates electric bus challenges and headaches...

- Range Anxiety
- Special Driver and Technician Training
- High Voltage Safety Concerns
- Facility Infrastructure Upgrade Costs
- Special Parking and Space Requirements
- Revolution is Affordable and Available Today



**JOIN THE REVOLUTION TO REDUCE HARMFUL SCHOOL ZONE EMISSIONS
FOR MORE INFORMATION, VISIT REVOLUTIONBUS.COM TO LEARN MORE**

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Product designs and specifications described in this literature are subject to change without notice.

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