



VANAIR® EPEQ® IDLE MANAGEMENT WITH HVAC

Engine-Off Comfort. Full Power. Maximum Uptime.

The EPEQ® Idle Management (EPEQ® IM) HVAC system by Vanair®, a Lincoln Electric Company, delivers full cab heating and air conditioning with the engine off—cutting fuel use, emissions, and engine wear without sacrificing driver comfort. Integrated with factory HVAC controls and powered by Vanair's LiFePO₄ ELiMENT® Battery and Electrified Power Equipment® ecosystem, EPEQ® IM HVAC provides automatic, intelligent climate control for work vans, vocational trucks, and up to Class 8 fleets—without idling.



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VAN AIR® EPEQ® IDLE MANAGEMENT WITH HVAC

WHY IT MATTERS

Turn the Engine Off—Keep Everything On

- Maintain heat & A/C automatically
- Power lights, radios, laptops & tools
- Protect vehicle batteries from depletion

Increase Vehicle Value

- Reduce engine hours & idle time
- Lower maintenance & wear
- Extend vehicle lifecycle & resale value

Stay Compliant

- Meet anti-idling regulations in municipalities
- Reduce emissions & fuel consumption

HOW IT WORKS

Pull Up—Put the Truck in Park—Walk Away

- Power lights, radios, laptops & tools
- Protect vehicle batteries from depletion

The System Increase Vehicle Value

- Automatically shuts down the engine after a preset time
- Monitors battery voltage, cabin temperature & system loads
- Restarts the engine only when needed

You can also manually activate Idle Management at any time from the display.

KEY FEATURES

Smart Automation

- Fully automatic engine start/stop logic
- Custom programmable inputs & outputs
- CAN integration with vehicle systems

Advance Display Control & Enclosure

- 4.3" color display
- Monitor:
 - Cabin temperature
 - Battery levels (12V/48V)
 - System status
- Control all EPEQ® connected devices

Flexible Installation

- Plug-and-play architecture
- Interior or exterior mounting (IP66/IP67 rated)
- Designed for vocational trucks, vans & fleets

HVAC PERFORMANCE

- Heating Capacity: Up to 17,000 BTU/hr
- Cooling Capacity: Up to 17,000 BTU/hr
- Maintains temperature through factory vents
- Seamless integration with OEM climate controls

POWER & CAPACITY

- Supports up to 150A @ 12VDC chassis loads
- 48V ELiMENT® Battery:
 - 5kWh/100Ah
- Requires 80A alternator overhead for optimal charging

EXPANDABLE EPEQ® ECOSYSTEM

- Easily add:
 - Additional 48V batteries
 - Inverters (120VAC/240VAC power)
 - EPEQ® Air Compressors
 - ePTO Hydraulics
 - Other electrified accessories

All controlled through a single integrated system.

BUILT FOR REAL-WORLD WORK

- Works automatically in standard parked conditions
- Safety logic prevents operation when:
 - Hood is open
 - PTO is active
- Fully validated per vehicle with 50+ point inspection process

OPTIONAL FEATURES

- Anti-theft system (key removal with system active)
- Audible start/stop alerts
- Engine temperature auto-start
- Air pressure auto-start
- Driver door/seatbelt/brake-triggered start



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