



5808-40009A

REVOLUTIONIZE YOUR FLEET

WHICH IDLE MITIGATION SYSTEM® IS RIGHT FOR YOU?



ENGINES CAN'T POLLUTE AT ZERO RPM®

Scalable architecture offers you the flexibility to match the right-sized system to meet your specific needs.

SYSTEM FEATURE SUMMARY:	<u>IMS0H</u> Up To 30 min Continuous Runtime	<u>IMS1H</u> Up To 1 hr Continuous Runtime	<u>IMS3HAC12</u> Up To 1 hr Continuous Runtime	<u>IMS4HAC12</u> Up To 2 hr Continuous Runtime	<u>IMS5HAC24</u> Up To 3 hr Continuous Runtime
Intelligent Vehicle Management System	✓	✓	✓	✓	✓
Intellimetrics® Compatible	✓	✓	✓	✓	✓
*Lithium-Iron Power		100Ah (1.25kWh)	200Ah (2.5kWh)	300Ah (3.75kWh)	400Ah (5.00kWh)
Heat through chassis vents and controls	Hybrid Heat by Circulation Pump	Hybrid Heat by Circulation Pump	Hybrid Heat by Circulation Pump	Hybrid Heat by Circulation Pump	Hybrid Heat by Circulation Pump
A/C through chassis vents and controls	Automatically Starts Engine to Provide A/C	Automatically Starts Engine to Provide A/C	12,000 BTU	12,000 BTU	24,000 BTU

* "Lithium-Iron" is a marketing term for ZeroRPM's LiFeMnPO4 packaged energy storage systems.

INTELLIGENT VEHICLE MANAGEMENT SYSTEM

- **Automated Idle Mitigation**
System monitors battery levels and interior conditions for managing the engine start and stop to provide a hybrid source for electrical power and climate control.
- **Diversified Recharge Options**
Utilizes chassis alternator, optional solar panels, and various shore power scenarios that extend the opportunity to leverage the IMS features.
- **ZeroKEY™**
Allows secure use of HVAC and onboard electronics without the use of the chassis ignition key.
- **ZeroIDLE™**
Prevents the IMS® from automatically starting the engine in "no-idle" zones. The operator can be notified by an optional buzzer, backup alarm, or voice annunciator.

INTELLIMETRICS®

- Track vehicle usage and Idle Mitigation data on a single vehicle or an entire fleet and uncover opportunities to save fuel and extend engine life with **ZeroRPM Intellimetrics®**. Intellimetrics® software gives users detailed insight into the data collected by their vehicles. A secure portal provides customized reports and graphs of fuel savings, emissions reductions, and vehicle use.

LITHIUM-IRON POWER

- The safe IMS lithium-iron batteries provide extended periods of engine-off power for hybrid HVAC and all vehicle electrical features.

HEAT AND A/C THROUGH CHASSIS VENTS AND CONTROLS

- In short, when in IMS mode, the vehicle's electrical features continue to function as if the engine is on. This includes the hybrid heat and A/C through the OEM vents and controls.
- ZeroRPM's competitive edge is the ability to provide A/C through the factory vents while maintaining the ability to control the temperature via the factory controls.



REVOLUTIONIZE YOUR FLEET

WHICH COMPONENTS ARE NEEDED FOR YOUR SYSTEM?

AUTO STOP
ENGINES CAN'T POLLUTE AT ZERO RPM[®]

COMPONENT	SYSTEM COMPONENT	IMS0H	IMS1H	IMS3HAC12	IMS4HAC12	IMS5HAC24	DIMENSIONS	WEIGHT
1	Screen	✓	✓	✓	✓	✓	3.4"(W) x 1.4"(H) x 3.4"(D)	0.4 lbs
2	IMS Controller	✓					5.3"(W) x 3.2"(H) x 9"(D)	2 lbs
3	PDMA w/ IMS Controller		✓		✓	✓	17.3"(W) x 3.3"(H) x 12.2"(D)	11.5 lbs
4	Heat Pump	✓	✓	✓	✓	✓	3.3"(W) x 2.7"(H) x 3.9"(D)	0.7 lbs
5	EM 100		✓				12.3"(W) x 10.3"(H) x 9.7"(D)	40 lbs
6	EM 200 IC			✓			12.3"(W) x 14.3"(H) x 15.3"(D)	90 lbs
7	EM 300				✓		12.3"(W) x 10.8"(H) x 21"(D)	120 lbs
8	EM 400					✓	12.3"(W) x 10.8"(H) x 26.4"(D)	160 lbs
9	AC 40			✓	✓	✓ x 2	24.8"(W) x 15.9"(H) x 9.3"(D)	120 lbs
10	*Fuel Operated Heater (Optional)	○	○	○	○	○	9.3"(W) x 4.2"(H) x 7.0"(D)	7 lbs

*Replaces circulation pump.

