






# END IDLING IN YOUR FLEET

ENGINES CAN'T POLLUTE AT **ZERORPM**<sup>®</sup>  
IDLE MITIGATION SYSTEMS<sup>®</sup>

**YOU IDLE MORE  
THAN YOU THINK  
YOU DO!**

**WE HAVE A  
SOLUTION!**

 4 HOURS IDLING PER 8 HOUR SHIFT  
 X 1 GALLON WASTED PER HOUR  
 X 350 DAYS PER YEAR  
 X 2 SHIFTS PER DAY  
 X \$3.00 PER GALLON

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**\$8,400** FUEL WASTED PER YEAR  
**2,800** ENGINE HOURS WASTED PER YEAR

## WHAT DOES A ZERORPM<sup>®</sup> SYSTEM DO?

1 When you put the vehicle in **park**...

**P** R N D

2 ...we will **automatically** shut off the engine...  
#end\_idling

3 ...**EVERYTHING** continues to operate as if the engine remains on...



4 Saving you **MONEY** while protecting the **ENVIRONMENT**

## HOW DOES IT WORK?

WHEN THE ENGINE IS **ON**

WHEN THE ENGINE IS **OFF**



BELT DRIVEN ALTERNATOR

BELT DRIVEN COOLANT PUMP

BELT DRIVEN A/C COMPRESSOR



LITHIUM-IRON\* BATTERY

DC ELECTRIC COOLANT PUMP

DC ELECTRIC A/C COMPRESSOR



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

## HOW DOES A ZERORPM<sup>®</sup> IDLE MITIGATION SYSTEM HELP YOU?

### ZERORPM<sup>®</sup> SYSTEMS

WILL KEEP YOU **COMFORTABLE** AND **POWER** YOUR ELECTRONICS

**LIKE THE ENGINE IS ON, BUT WITH THE ENGINE OFF**

REDUCING ENGINE HOURS AND **SAVING** YOU MONEY.

# END IDLING

WITH THE  
RIGHT-SIZED SYSTEM



## WHAT SYSTEM IS RIGHT FOR YOU?

HOW MANY COMPRESSORS DO YOU HAVE?

### 1 COMPRESSOR

#### IMS4HAC12

**RUN TIMES WITH ENGINE OFF**

Run 100A electrical loads and air conditioning up to 1 hour 30 minutes.

**CHARGE TIME (ENGINE)**

Charge time with 200A alternator: 45 minutes

**CHARGE TIME (WALL)**

Shore Power charge: 4 hours

**SCALABLE ARCHITECTURE**

Extend run times with ZeroRPM Energy Modules.

### 2 COMPRESSORS

#### IMS4HAC24

Run 100A electrical loads and air conditioning up to 1 hour.

Charge time with 200A alternator: 45 minutes

Shore Power charge: 4 hours

Extend run times with ZeroRPM Energy Modules.

## ZERORPM® FEATURES:

Our system eliminates the need for an additional 110V air conditioning system while on shorepower.



**Engine-off A/C Through the Factory Vents**



**Engine-off Heat Through the Factory Vents**



**Lithium-Iron Power to All Electronics**



**Automatic Recharging**



**ZeroKEY™**



**ZeroIDLE®**



**ZeroDraw®**



**Electric PTO (optional)**

- Immediate Payback**
  - Fuel Costs
  - Maintenance Costs
  - Engine Hours
  - Budget Surplus
- Integrated Control System**
  - Seamless and Hands-Free
  - Automatic Climate Control
  - Automatic Battery Management
- Durable Solar (Optional)**
  - Extended IMS Runtime
  - Improved MPG in Drive
  - Reduces Rooftop Thermal Loads
- IntelliMetrics™**
  - Identify Trends
  - Web-based Portal
  - Data Export
- Efficient All-in-One Design**
  - Compact Form Factor
  - Light Weight
  - Versatile Mounting
- Real Impact, Real Results**
  - Zero Emissions in IMS Mode
  - One Gallon of Gas=19.5 lbs of CO<sub>2</sub>
  - One Gallon of Diesel=22.4 lbs of CO<sub>2</sub>

PROUDLY OFFERED BY

