

# Idle Free<sup>®</sup>

## The Complete Electric APU Solution<sup>™</sup>

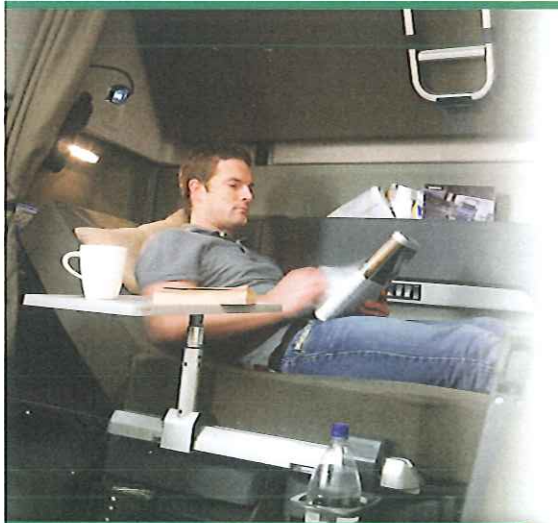


  
**idle free<sup>®</sup>**  
*Save Green, Drive Green<sup>®</sup>*

# Experience the difference of superior technology and save more money!

Idle Free Systems offers a complete electric APU solution for idle elimination. It can be used on any brand of truck and is customizable to match your driving conditions. In addition, Idle Free is the only company that offers the exclusive Reefer Link™ technology for drivers pulling refrigerated trailers.

The Idle Free system captures and stores energy from the trucks alternator in independent AGM batteries. The energy is then converted into pure electricity to provide constant power all night long. Idle Free delivers all the benefits without compromising performance, cost savings, driver comfort or environmental safety.



You don't have to compromise performance, cost savings, comfort, or environmental safety

## Idle Free Advantages vs. Diesel APU's

- Save 600 gallons per year vs. a diesel APU
- No required annual maintenance on the Idle Free system
- Only requires 18 inches of frame rail space

## Idle Free Advantages versus other Electric APU's

- 120 volt AC system for constant output at full power
- Shore power standard
- Power converter/battery charger standard
- Integrated pure sine wave inverter standard
- Heat for cab and bunk plus engine pre-heat

## Reefer Link™ Technology

- Patented system
- The only APU on the market that can also be run by the reefer
- Unlimited run time when connected to the reefer
- Provides back up starting power for both reefer and the truck's batteries

# The Idle Free® System

The Idle Free system is shipped ready to be installed. The system is pre-assembled including all wiring harnesses and the air conditioner is pre-charged to its optimal performance level. Designed to install quickly and easily, it is significantly less invasive to the truck than other systems.



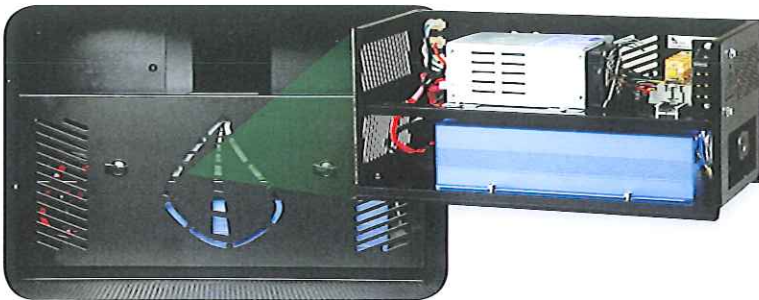
## Frame Rail System

Mounts onto the frame rail and only requires 18 inches on the frame, 23 inches of clearance in front of the frame and 5 inches underneath and behind the frame; contains 4 AGM batteries, battery separator, AC compressor/condenser unit, and optional coolant heater.



## Thermostat

Mounts inside the bunk and is used to control the air conditioner with simple push button controls. Use it to turn on the optional coolant heater, then use the bunks controls for optimal comfort.



## Power Module

Located in the bunk, under the bed, it contains the pure sine wave inverter to convert 12 volt DC to 120 volt electricity; the power converter/battery charger; and the AC/DC circuitry to optimize system performance for cooling and heating.



## Evaporator

Installs quickly in the bunk on a shelf or in a closet without any ducting for better air flow and cooling capability, making for a quiet and efficient system.



## Shore Power

Standard with every Idle Free system, use shore power for unlimited run time and to fully charge the AGM batteries.

# Idle Free®...

A complete solution without any compromises



EPA SmartWay verified technology • CARB compliant

## Key Features and Specifications

### Fuel Savings

Save 3000 gallons per year vs. truck engine idling\*

Save 600 gallons per year vs. a diesel APU\*\*

### Cooling

Maximum rated output of 10,000 BTUs/hr

Run time of up to 10 hours

Patent pending design

### Heat

17,000 BTU coolant heater for cab and bunk

Engine pre-heat to eliminate cold starts

### Batteries

4 deep cycle AGM batteries

Recharge time of only 4 to 6 hours

### Electrical Power

120 volt outlet in bunk to run a TV or computer

Shore power provides unlimited run time

### System Weight (approximate)

579 lbs with batteries

### Warranty

2 years

Idle Free Systems is a leading provider of battery powered idle elimination systems for over-the-road trucks and day cabs. The system enables fleets to significantly reduce operating expenses and comply with all states' anti-idling laws.

Idle Free's patented technology performs as well as a diesel powered APU but is more environmentally friendly and economical—and it outperforms all other battery based systems. The Idle Free electric APU has been the recommended auxiliary power unit for Mack Trucks since 2007 and is both EPA SmartWay verified and CARB compliant.



Idle Free Systems, Inc

7617 Mineral Point Road | Madison, WI 53717

ph 608-237-6311 | fx 608-237-6963

sales@IdleFreeSystems.com

www.IdleFreeSystems.com

\* 6 cyl, 1,000 RPM, 8 hrs/day, 300 days

\*\* 0.25 gal/hr, 8 hrs/day, 300 days

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