



2017 Dealer Sales & Marketing Handbook

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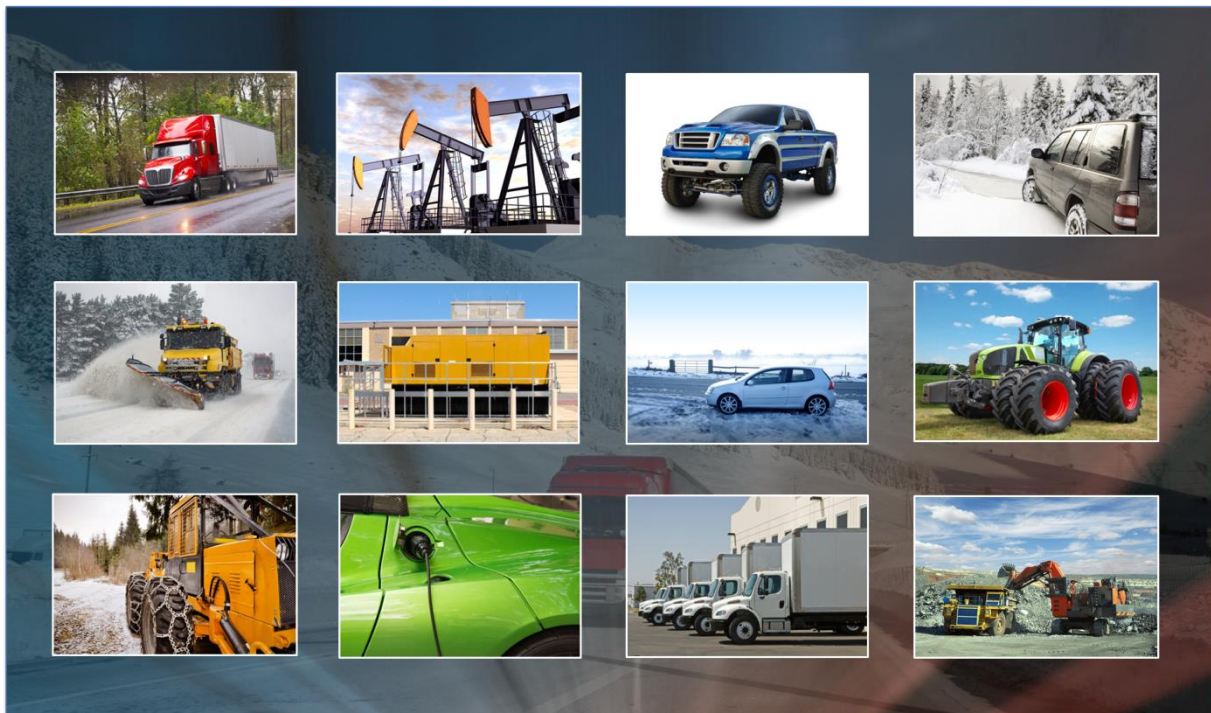
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Phillips & Temro Industries

Phillips & Temro Industries is a premier global supplier of highly engineered thermal technology systems, solutions and controls. PTI serves a diversified, blue chip customer base in a range of attractive markets including oil & gas, power generation, off-road equipment, industrial, automotive and the heavy, medium and light duty truck industries. Phillips & Temro Industries' brands include ZeroStart, Temro, Truflo, Arctic Fox and Idle Free® Systems. PTI operates in North America, the United Kingdom and China.

Phillips & Temro Industries - Markets

- Automotive/ Light Duty Trucks
- Medium/Heavy Duty Trucks
- Electric Vehicle / Hybrid
- Off-Road/Industrial
- Oil & Gas
- Power Generation
- Power Sports



Idle Free Systems Introduction

Idle Free® Systems is owned by Phillips & Temro Industries, headquartered in Eden Prairie, MN USA. The purpose of the Idle Free® Systems APU is to capture and store energy from a truck's alternator into independent AGM batteries. The stored energy is then converted into power for heating, cooling and electrification.

Besides the APU system, Idle Free® also offers a heat system for work trucks and Reefer Link® technology. The heat system provides heat to the truck cabin and the engine while the truck's engine is turned off. Reefer Link® technology uses the energy produced by the reefer and converts it into 120 volt AC electricity for the cab.

APU System Components



Under Bed Box (UBB)



Evaporator



Inside of the APU

What is an APU?

What is an APU?

- APU – Auxiliary Power Unit
- A small secondary power source that is mounted to the truck
- Supplies electric power, AC or heat to the cab when the engine is turned off

Types of APUs and Features

- Diesel Powered: Uses 2 or 3 cylinder engines
- Battery Powered: Uses 4 group 31 deep cycle AGM batteries
 - Batteries charge while the main engine is running during operation
 - 120 VAC (alternating current) OR DC (direct current) systems

Why Idling is Bad?

- Increases engine maintenance costs
- Shortens engine life
- Affects driver well-being
- Increases noise level
- Emits carbon dioxide gas
- Expensive: 1 hour of idling uses .75 to 1.2 gallons of fuel



SERIES 1000



SERIES 2000



SERIES 3000



SERIES 4000

Features & Benefits

How It Works

The Idle Free® system captures and stores energy from the truck's alternator in independent AGM batteries. This energy is then converted into power for heating, cooling and electrification. Performance results have been verified by a third party test lab.

Features

- AC System
- Heating System
- 120 volts available for driver use
- Battery or shore power
- Easy non-invasive installation
- 2-year warranty



Benefits

Affordable

- Saves 3,000 gallons per year vs. truck idling
- Saves 600 gallons per year vs. diesel APU
- Minimal maintenance required
- Works with any make or model of truck

Effective

- Run time up to 10 hours* Third party certified, test lab confirmed
- Recharge time of 4-6 hours
- Engine pre-heat to eliminate cold starts
- Unlimited run time is available with standard shore power or our Reefer Link® technology

Driver Comfort

- Provides quieter cab cooling
- Evaporator installs without any duct work, easy to install
- 120V power outlet

Environmentally Friendly

- EPA SmartWay verified
- CARB compliant
- Complies with all states' anti-idling laws while reducing your carbon footprint

Idle Free System Components

The Idle Free® System is shipped assembled, tested and ready to install. It is available in several system types and configurations that can be easily customized for different driving conditions and budgets.

Frame Rail Unit

Mounts onto the frame rail. Contains 4 AGM batteries, battery separator, AC compressor/condenser unit and optional coolant heater. Alternative models available.



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 truck's bunk controls for optimal comfort.



Under Bunk Box (UBB)

Located in the bunk under the bed, the UBB 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.



Evaporator

Installs quickly in the bunk, on a shelf or in a closet to provide air flow and cooling.



Shore Power

Comes standard with every Idle Free® System, use shore power for unlimited run time and to fully charge the AGM and truck batteries.



Auxiliary Power Unit Models



	Series 1000	Series 2000	Series 3000	Series 4000
Size	L 30.85" x W 20.24" x H 26.7"	L 22" W 20.24" x H 17"	L 20.79" x W 15.18" x H 18"	L 27.6" x W 32.5" x H 28.6" dimensions include battery box
Required Frame Rail Clearance	24"	24"	18"	0"
12V DC to 120V AC Inverter	1500W, pure sine wave inverter	1500W, pure sine wave inverter	1500W, pure sine wave inverter	1500W, pure sine wave inverter
Mounting Location	Mounts on the frame rail of the truck	Mounts on the frame rail of the truck	Mounts on the frame rail of the truck	Mounts behind the cab
Batteries	4 AGM	4 AGM, separate battery box	4 AGM, separate battery box	4 AGM, patent-pending battery box
Air Conditioning	Standard: 7,500 BTU's	Standard: 7,500 BTU's	Standard: 7,500 BTU's	Standard: 7,500 BTU's
Heat	Standard: 17,000 BTU's	Standard: 17,000 BTU's	Optional	Optional
Power Converter/ Battery Charger	Standard	Standard	Standard	Standard
Shore Power	Standard	Standard	Standard	Standard
Reefer Link	Optional	Optional	Optional	Optional

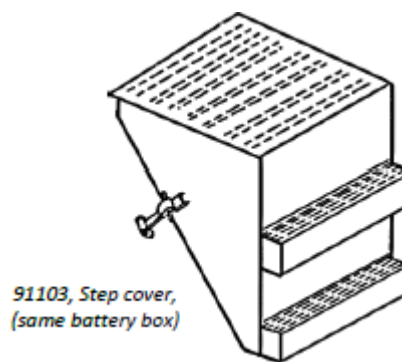
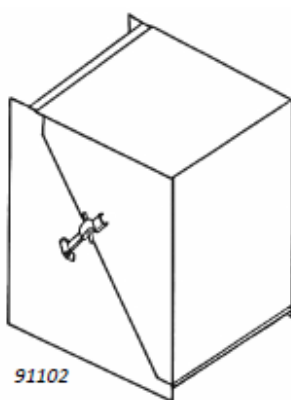
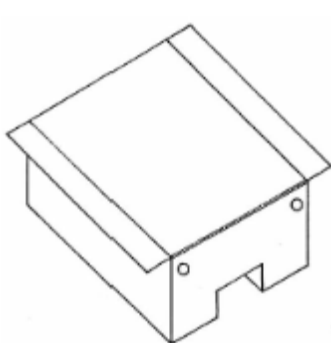
Battery Box Kits – Buying Options

Use a battery box kit with the Series 2000 or Series 3000 modules. The battery box can be placed in a different area of the truck, away from the APU unit.

Battery Box Options

The chart below shows what features accompany each Battery Box option.

IFS Part #	Battery Box Type	Battery Box Description
91101	In-Frame	<ul style="list-style-type: none"> Aluminum box 4 AGM Batteries Cables (connected) and in-line fuse Hinged box lid Replaces the truck deck plate Battery separator
91102	Frame Rail	<ul style="list-style-type: none"> Aluminum box 4 AGM batteries Cables (connected) and in-line fuse Frame mounting hardware Battery separator is shipped separately
91103	Frame Rail with Step	<ul style="list-style-type: none"> Same as 91102, except the cover has two steps on the front Step deck on top of box



Installation Kits – Series 1000, Frame Rail, Heater

Installation kits contain the cables that connect the APU or battery box, the UBB and the truck's battery box to the Idle Free® System.

Idle Free Installation Kit Options

IFS Part #	Kit Type	Description	Notes
91401	Install Kit – Series 1000	<ul style="list-style-type: none"> • DC Cables • Fuse & Fuse Holder • Floor Collars • 120 VAC Power Strip • Thermostat • Volt Meter • Harnesses • Driver Manuals • IFS Quick Start Guide 	Includes all hardware and components that are needed to install or connect IFS components.
91404	Install Kit – Frame Rail Battery Box	<ul style="list-style-type: none"> • DC Cables • Fuse & Fuse Holder (2 each) • Floor Collars • 120 VAC Power Strip • Thermostat • Voltmeter • Harnesses • Driver Manuals • IFS Quick Start Guide • Battery Separator • Customer-specific Harnesses and Cables 	IFS Kit will be included when Battery Box Option 91102 is ordered.
91501	Install Kit - Heater	<ul style="list-style-type: none"> • Heater Hose, 3/4" x 12' • Heater Hose, 5/8" x 12' • Hose Clamps • Fuel Line • Fuel Pick-up Tube • Fuel Tank Installation Hardware • Hose Adapters • Heater Manual • Cable Ties 	<p>Required on all IFS systems that include the Coolant Heater.</p> <p>Heater Kit will automatically be included when you order the following Frame Rail Units 91001, 91003, 91005.</p>

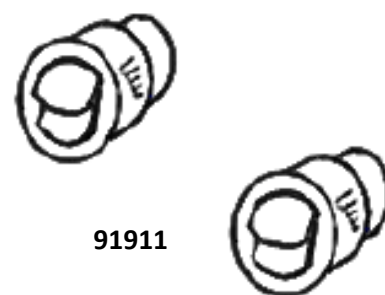
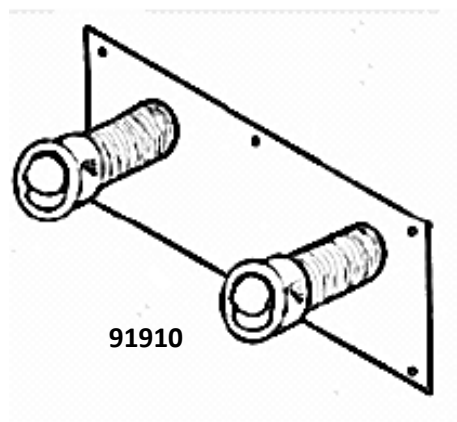
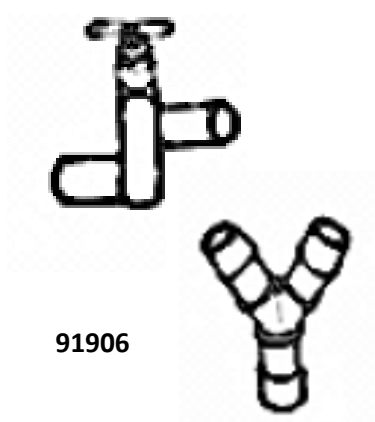
Bypass Kits & Evaporator Kits

Bypass Kits can be used on trucks to help control the heat in the bunk. These kits help to provide air flow and cooling to truck bunks.

Bypass and Evaporator Kit Options

The chart below shows what features accompany each bypass or evaporator kit option.

IFS Part #	Kit Type	Description
91906	Bypass Kit Kenworth Water Valve	<ul style="list-style-type: none"> Used on trucks with a coolant water valve. Regulates coolant flow to the bunk's heater. Includes "Y" fittings, hose adaptors, heater hose, hose clamps, and an adjustable water valve with a built-in bypass circuit.
91910	Evaporator Kit Freightliner, Upper Closet	<ul style="list-style-type: none"> Used in many Freightliner upper closets. Includes all parts
91911	Evaporator Kit Volvo, Upper Closet	<ul style="list-style-type: none"> Used in Volvo upper closets. Includes foam filter, template and two 3" round louvers



Frame Mount Kits

Frame mount kits are used with Series 1000, 2000 and 3000 options. Frame mount kits help to mount an APU to the frame of the truck and are used with Series 1000, 2000, 3000 options. Different kits are available for various truck types and sizes.

Frame Mount Kit Options

The chart below shows what features accompany each Frame Mount Kit option.

Idle Free Part #	Kit Type	Description
91700	Series 3000	<ul style="list-style-type: none"> Frame brackets go with the SlimLine Chassis only
91701	Series 2000 and 3000	<ul style="list-style-type: none"> Includes two channel brackets, four 5.5" (5/8") bolts, and four (5/8") washers
91706	Direct to Frame	<ul style="list-style-type: none"> Includes four 2" (5/8") GR8 bolts and four (5/8") GR8 washers
91707	Series 1000	<ul style="list-style-type: none"> Includes two steel L-brackets, four 5.5" (5/8") GR8 bolts, and four (5/8") GR8 washers
91709	Volvo "Large Frame"	<ul style="list-style-type: none"> Includes two steel L-brackets, four 5.5" (5/8") GR8 bolts, and four (5/8") GR8 washers
91712	Frame Clip	<ul style="list-style-type: none"> Includes four steel frame clips, four (5/8") GR8 bolts, and four (5/8") GR8 washers

Shore Power Installation Kits

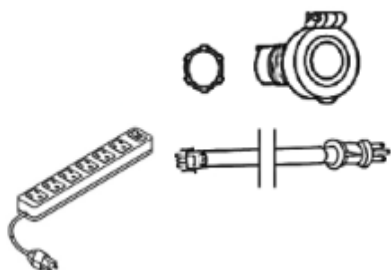
Shore Power is included with all Idle Free® Systems. The only time an IFS Standard Shore Power Kit needs to be purchased is when a truck does not have a Cab Power option. If there is no Cab Power option on the truck, then a Shore Power Kit can be ordered.

Shore Power Kit Options

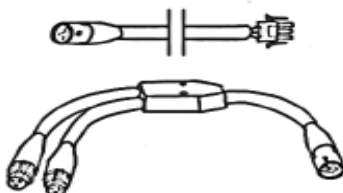
The chart below shows what features accompany each Shore Power Kit option.

IFS Part #	Kit Type	Description	Notes
91601 (15 AMP) OR 91604 (20 AMP)	Standard Shore Power	<ul style="list-style-type: none"> Used for trucks that do not have the Cab Power option Includes Shore Power cord and Shore Power socket with flip lid 	The Cab Power option is available on all trucks, but is usually found on Mack and Volvo. Before ordering an IFS APU, ensure the truck does not have the Cab Power option.
91602 (15 AMP) OR 91605 (20 AMP)	Cab Power “Y”	<ul style="list-style-type: none"> Used for all systems that have a Cab Power option with a factory installed inverter Includes Cab Power “Y” harness and a male Cab Power cord 	The IFS Cab Power “Y” kit enables the OEM Cab Power system and IFS to share the 120 VAC power socket. Order kit 91605 if the truck does have Cab Power with a factory-installed inverter. Order kit 91603 if the truck has Cab Power without a factory-installed inverter.
91603 (15 AMP) OR 91606 (20 AMP)	Cab Power	<ul style="list-style-type: none"> Includes female Cab Power cords 	One female Cab Power cord plugs into the bottom of the Cab Power box, with the male plug on the opposite end connecting directly into the IFS inverter outlet. The second female Cab Power cord plugs into the factory-installed Cab Power harness and the back of the Idle Free power module.

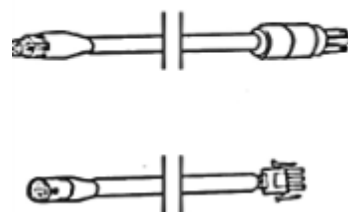
Standard Shore Power Kit
91601 (15 AMP) or 91604 (20 AMP)



Cab Power “Y” Kit
91602 (15 AMP) or 91605 (20 AMP)



Cab Power Kit
91603 (15 AMP) & 91606 (20 AMP)



Reefer Link® Technology

Patented Reefer Link® technology captures excess energy generated by refrigerated trailers and stores it in the Idle Free battery bank. This energy provides unlimited run time for cooling, heating, and hotel loads. In addition, if either the truck or the reefer alternator were to fail, Reefer Link® provides a critical link between the two allowing for energy to back feed in either direction, ensuring you will always have power to the truck and trailer when an alternator fails. Requires minimum 65 AMP alternator size.

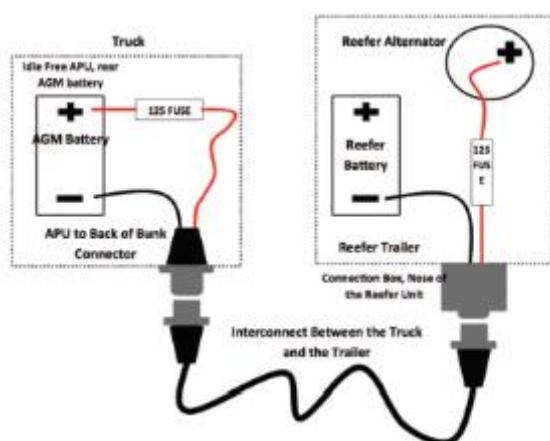
Benefits

- Saves 3000 gallons per year versus truck engine idling
- Saves over 600 gallons per year versus a diesel APU
- Complies with all state anti-idling laws
- Engine pre-heat to eliminate risk of cold starts
- Easy to install

Reefer Link® Kit Options

The chart below shows what features accompany each Reefer Link® option.

IFS Part #	Kit Type	Description
91413	Reefer Link® XD Kit - Trailer	<ul style="list-style-type: none"> • Includes cable, lugs & fuse • Includes dual pole socket in nose box with mounting hardware
91922	Reefer Link® Kit XD - Truck Side	<ul style="list-style-type: none"> • Includes 15' straight interconnect cable • Includes mounting brackets & cables



Shore Power Electrification Sites

Shore Power is the 120 volt AC electricity that is available at various truck stops across the country to charge the APU batteries. **Shore Power outlets are standard on IFS APUs.** Provides drivers unlimited run time when Shore Power is available. Connecting to Shore Power charges the APU batteries and the truck batteries while also powering the APU.

Unlimited Run Time with Idle Free® Systems

Use electrification at any of the locations on the map for:

- Unlimited Run Time
- Fully Charge Your AGM Batteries



U.S. Electrification Sites



Shore Power Electrification Sites

Alabama

Bridges Travel Plaza – Cusetta

Arizona

Hopi Travel Plaza – Holbrook

Arkansas

I-40 Travel Center – Ozark

California

Flying J Travel Plaza – Bakersfield

Pilot Travel Center – Dunnigan

EZ Trip Golden State – Fresno

Flying J Travel Plaza - Lebec (Frazier Park)

Flying J Travel Plaza – Lodi

Pilot Flying J Travel Center – Weed

Colorado

Johnson's Corner Truck Stop – Johnstown

Ports to Plains Travel Plaza – Lamar

Illinois

Gurnee Truck Stop – Gurnee

Iowa

Flying J Travel Plaza – Williams

Kansas

Newell's Truck Plaza – Newton

Kentucky

Southern Pride Truck Plaza – Paducah

Louisiana

Big Easy Travel Plaza - New Orleans

Maine

Dysart's Service Center (Citgo) – Bangor

Maryland

Pilot Flying J Travel Plaza – Elkton

Michigan

Parma Travel Center – Parma

Detroit Travel Center - Woodhaven

Missouri

Deerfield Travel Center – Steele

Montana

Broadway Flying J Travel Plaza – Belgrade

Nebraska

Shoemakers Travel Center – Lincoln

Sapp Bros. Travel Center – Omaha

New Mexico

Russell's TC - Endee (Glenrio) – Glenrio

Russell's TC (Springer) –Springer

New York

Champlain Peterbilt – Champlain

Sav On Diesel – Verona

Pilot Flying J Travel Plaza – Pembroke

21B Travel Plaza - West Coxsackie

North Carolina

Big Boys Truck Stop – Kenly

Chex Truck World – Middleburg

Ohio

Flying J Travel Plaza – Hubbard

Oregon

Baker Truck Corral - Baker City

Seven Feathers Truck & Travel Center – Canyonville

Arrowhead Travel Plaza – Pendleton

Truck 'N Travel (TA) – Coburg

Jubitz Travel Center - Portland

Pennsylvania

Sapp Bros – Clearfield

South Carolina

Travel Centers of America – Florence

Shore Power Electrification Sites

Tennessee

Super Truck & Travel Plaza – Cookeville

Eco Travel Plaza – Crossville

Tennessean Truck Stop – Cornersville

Texas

Flying J Travel Plaza – Dallas

Flying J Travel Plaza - Houston

Flying J Travel Plaza - San Antonio

Duke's Travel Plaza - Canton

Wes-T-Go Truck Stop – Tye

Utah

Flying J Travel Plaza - Beaver

West Winds Truck Stop - Green River

LW's Travel Plaza (Flying J Travel Plaza #508) - Perry

R-Place Truck Stop – Wendover

Virginia

Lee-Hi Travel Plaza – Lexington

White's Travel Center – Raphine

I-64 West Rest Stop - Providence Forge

Flying J Travel Plaza - Ruther Glen

Washington

Broadway Flying J Travel Plaza – Ellensburg

Gee Cee's Truck Stop – Toledo

Shree's Truck Stop – George

Gearjammer Truck Plaza – Union Gap

Wyoming

Eastgate Travel Plaza – Evansville

Little America Travel Center - Little America

Visit <http://www.afdc.energy.gov/truckstop> to access the complete and up-to-date list of Electrification Site Truck Stops. Or use your smartphone to scan the code below for immediate access.



Cost of Ownership Calculator

Compare the Idle Free APU, a Competitor APU and a Diesel APU

Idle Free® has developed a cost savings calculator to show the price differences between the IFS APU, a competitor electric APU and a diesel APU. This calculator looks at the overall price of the APUs – purchase price, fuel costs, maintenance costs, total cost to ownership, total savings, payback period and internal rate of return (IRR).

The calculator can be found online at: <https://phillipsandtemro.com/resources/idle-free-systems-resources/calculators/>

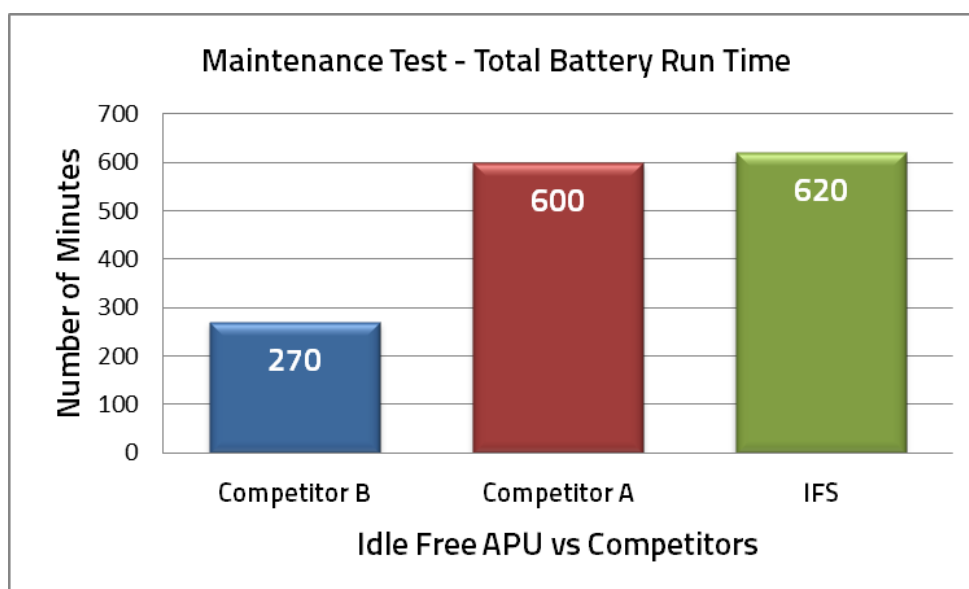
	Idle Free System*	Electric APU Competitor	Diesel APU
Purchase Price	<input type="text" value="\$0"/>	<input type="text" value="\$0"/>	<input type="text" value="\$0"/>
Engine Heat	Included	<input type="text" value="\$0"/>	<input type="text" value="\$0"/>
Cab Electrification	Included	<input type="text" value="\$0"/>	<input type="text" value="\$0"/>
Other Batteries, Shore Power	Included	<input type="text" value="\$0"/>	<input type="text" value="\$0"/>
CARB Compliant	Included	<input type="text" value="\$0"/>	<input type="text" value="\$0"/>
Installation Fee	<input type="text" value="\$800"/>	<input type="text" value="\$1,000"/>	<input type="text" value="\$1,200"/>
Total Acquisition Price	\$800	\$1,000	\$1,200
Price of diesel per gallon			<input type="text" value="\$0.00"/>
Weekly idling hours	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Annual idling hours	0	0	0
Annual fuel costs	\$0	\$0	\$0**
Number of serviceable years	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Total fuel costs	\$0.00	\$0.00	\$0.00
Annual Maintenance Costs	<input type="text" value="\$100"/>	<input type="text" value="\$100"/>	<input type="text" value="\$450"/>
Total Maintenance Costs	\$0	\$0	\$0
Battery replacement	<input type="text" value="\$1,000"/>	<input type="text" value="\$1,000"/>	<input type="text" value="\$0"/>
Total cost of ownership	\$1,800	\$2,000	\$1,200
Annual Fuel Savings	\$0.00	\$0.00	\$0.00
Annual Maintenance Savings	\$200	\$200	\$200
Total Savings	\$200	\$200	\$200
Payback Period (in months)	108.00	120.00	72.00
Internal Rate of Return (IRR)***	0%	0%	0%

Idle Free Advantages Compared to Other Electric APUs

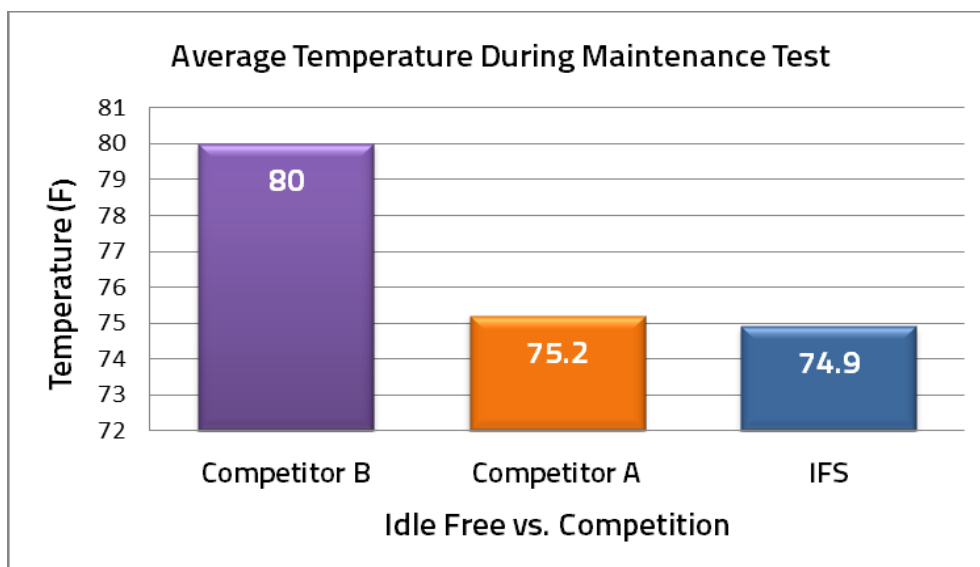
A third party certified test lab conducted multiple tests on the Idle Free® APU (“IFS” APU) and two competitors. In each of these tests, the IFS APU performed the best.

The results of the maintenance test showed that the IFS APU had the longest battery run time of 620 minutes. The system was tested according to Truck Maintenance Council (TMC) RP 432A specifications, which include the following test conditions:

- Ambient temperature of $100^{\circ}\text{F} \pm 1^{\circ}\text{F}$ and $50\% \pm 1.5\%$ relative humidity
- Initial cab compartment temperature of $73^{\circ}\text{F} \pm 3^{\circ}\text{F}$
- Vertical solar load of $600\text{W}/\text{m}^2$
- Purpose: Run unit until it shuts down due to low battery or until it is shut off by user control

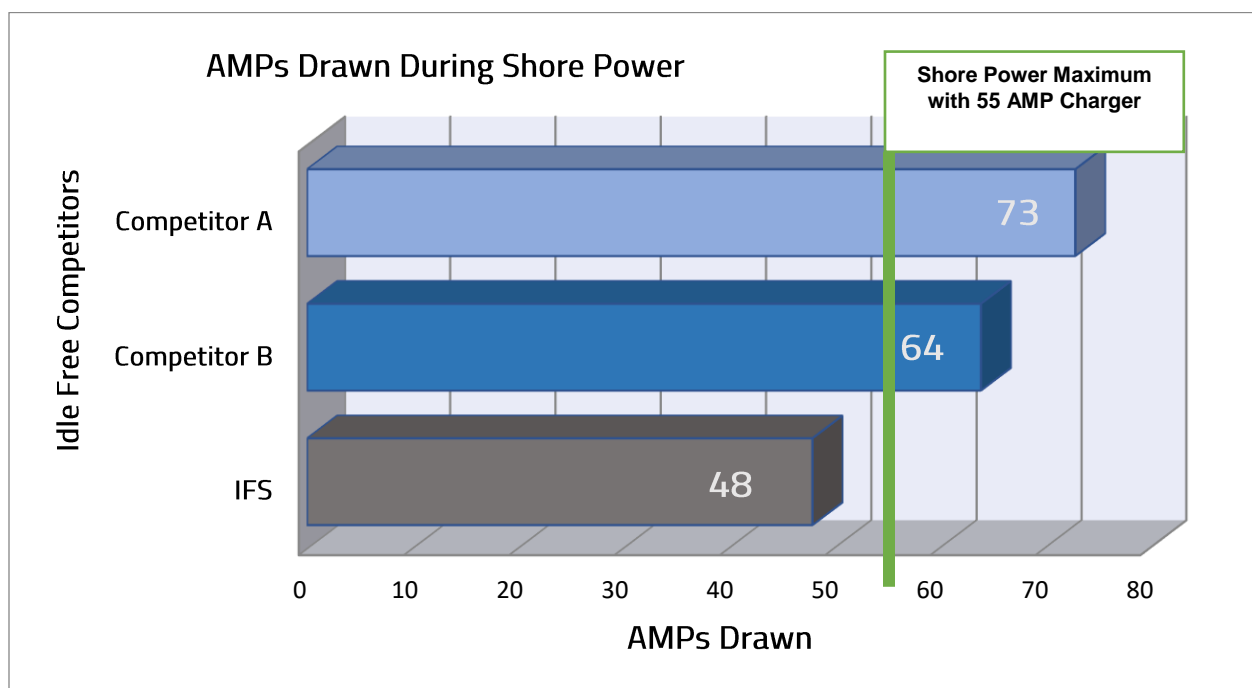


The results of the maintenance test also showed that Idle Free® maintained the lowest bunk temperature during the test. The IFS APU maintained an average temperature of 74.9°F .



Idle Free Advantages Compared to Other Electric APUs

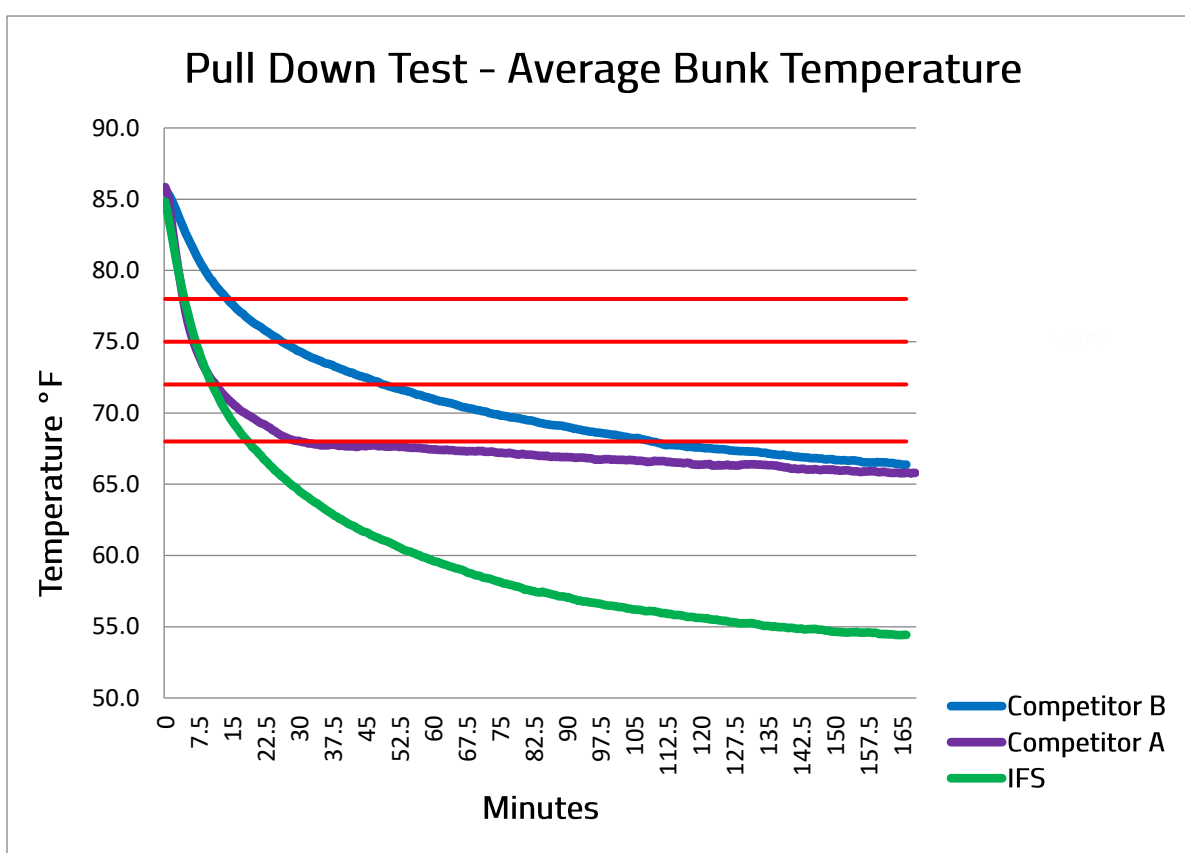
The results of the power consumption test revealed that the IFS unit has the lowest power consumption value. The lower power consumption equates to long run time. Another advantage occurs when connected to shore power service; it not only provides unlimited run time for the APU, but will also charge any batteries connected to the system. The average power consumption of both competitors exceeded the power input from the Shore Power charger while in air conditioning mode. The result is no excess energy is available for charging batteries.



Idle Free Advantages Compared to Other Electric APUs

The temperature pull down test measured the time required to lower a bunk heat-soaked to 85°F and 50% humidity to temperatures of 68°F, 72°F, 75°F and 78°F. The Idle Free Systems APU cooled the sleep bed faster in all four instances. Additionally, the IFS APU achieved the lowest possible bunk temperature.

	68°F	72°F	75°F	78°F
IFS	17.5	10.0	6.5	4.0
Comp A	25.5	10.0	6.0	4.0
Comp B	99.0	33.5	18.5	10.5



Idle Free Advantages Compared to a Competitor Electric and Diesel APU

Advantages

- Zero Noise Emission for quieter roadways and rest stops
- Idling is completely eliminated. In diesel APUs, another engine is running to power the cab while the truck engine is off. Idle Free runs off of batteries or electricity, not an engine.
- No small engine maintenance costs unlike the diesel APUs
- Small system. It takes up less space and is designed with a commercial truck in mind
- Reduced CO2 emissions
- More power options with a battery and a shore power outlet
- No-cost CARB compliance
- Flexible design that allows drivers to customize their systems to meet their needs, budget and investment timeline
- Easy to install
- Affordable



	Idle Free® System	Competitor: Electric APU	Diesel APU
Purchase Cost	\$7500	\$9000	\$8300/\$10,000 CARB compliance
Installation	\$800	\$1000	\$1200
Fuel Costs*	\$0	\$0	\$2000 x 5 = \$10,000
Maintenance Costs*	\$100 x 5 = \$250 \$1000 Battery replacements \$1500	\$100 x 5 = \$250 \$1000 Battery replacements \$1500	\$450 x 5 = \$2250
Total Cost of Ownership	\$9800	\$11,500	\$21,750/\$23,450
Warranty	2 years parts/labor	1 year parts/labor 2 years parts (extended)	3 years parts/labor

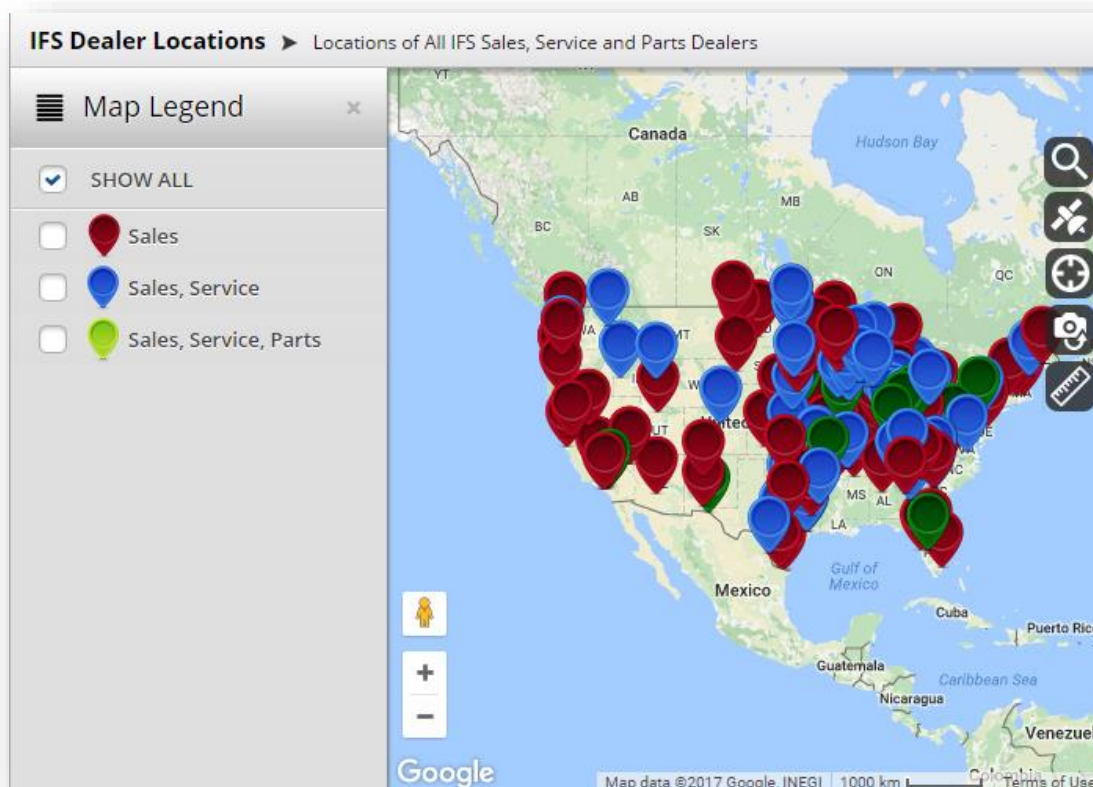
*Assumes 7 year service life & assumes \$100 per hour labor.

*Testing was done by a third party.

Dealer Network: USA & Canada

Idle Free® Systems dealers are located across the United States. The map below shows the current IFS dealer locations.

<https://phillipsandtemro.com/resources/idle-free-systems-resources/where-to-buy>



CANADA

Our Canadian dealer group: **Parts for Trucks**

Headquartered in Halifax, Nova Scotia with 15 Canadian locations throughout New Brunswick, Newfoundland & Labrador, Nova Scotia and PEI

<http://partsfortrucks.com/en/home/locations.aspx>

Marketing Materials

Promotional and informational materials are available to help sell IFS products. The options for the sales materials are shown below.

Dealer Display Unit

APU display units can be purchased for dealerships or trade shows. The display allows customers to see the components of the Idle Free® APU system. Contact your IFS Sales rep for pricing.

Please contact your assigned Regional Sales Manager for purchasing information or send an email to: sales@idlefreesystems.com



Pull Up Banner

Pull up banners include information about the IFS brand and the benefits of an APU system. Banners are used to help advertise IFS products in dealerships. Cost is \$175 each plus shipping and handling.

Please contact your assigned Regional Sales Manager for purchasing information or send an email to: sales@idlefreesystems.com

Marketing Materials

Lead Generation Campaigns

Campaigns can be created to advertise specials on specific IFS products.

Idle Free® Systems Videos

Establishes the benefits of an electric APU over diesel APU's and communicates the benchmarking test results to support why they should buy the IFS APU. The videos can be also be viewed at www.phillipsandtemro.com.

Idle Free Videos

Idle Free – The Complete APU Solution

Idle Free Systems Reefer Link Technology

Installation Videos

Pallet Contents and Mounting the Frame Rail Unit

Battery Installation

UBB, Evaporator and Thermostat Installation

Coolant Heater Hose, Fuel Line Connections and Standpipe

Installation of the Fan Harness, Circuit Cutout, DC Cables and Shore Power

Testing the APU



eAPU Guide: LIT0065i



Posters

Marketing Materials

Datasheets

Data sheets are used to showcase the features and benefits of IFS products to customers. Data sheets allow customers to take the information home with them. Download PDFs from the Phillips & Temro Industries website at www.phillipsandtemro.com

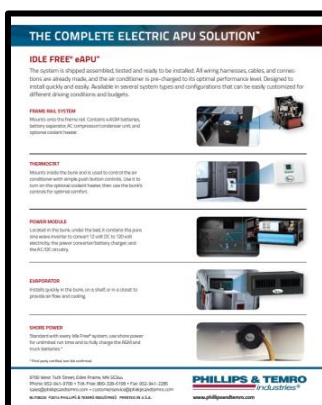
Or contact Customer Service at Customerservice@phillipsandtemro.com for printed materials.

Auxiliary Power Unit Models



#LIT0053i

The Complete Electric APU Solution



#LIT0023i

eAPU® Battery Information



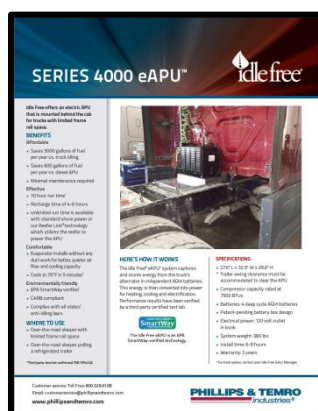
#LIT0081i

Reefer Link



#LIT0025i

Series 4000 eAPU®



#LIT0063i

Flex System



#LIT0026i

Driver Resources

Idle Free Service App

The Idle Free App is designed with truck drivers in mind to enhance their experience with the Idle Free electric APU. It contains information such as service or dealer locations, Shorepower locations where a truck driver can charge the APU's batteries, a troubleshooting guide to help solve any unanticipated issues, technical and sales contact information, and idling regulations by state.

The Idle Free Service App is available for Apple and Android mobiles.



Idle Free Service App (for iOS)



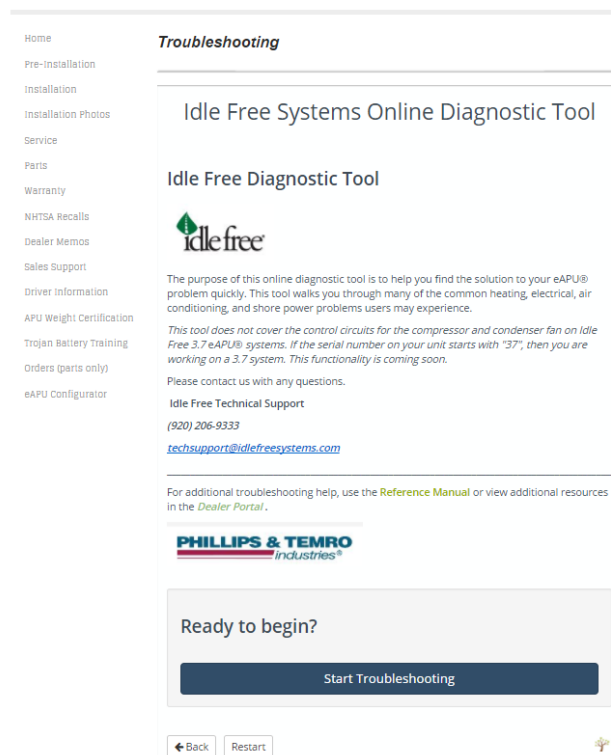
Idle Free Service App (for Android OS)



Idle Free Diagnostic Tool

The Idle Free diagnostic tool allows service technicians and drivers to troubleshoot common heating, electrical, air conditioning and shore power problems that users may experience. The purpose of the tool is to help service technicians find the solution to the eAPU® problem quickly and efficiently so drivers can get back on the road.

The tool can be found on the Idle Free Dealer Portal, under the Service section. The Dealer Portal can be accessed from the Phillips & Temro Industries website at www.phillipsandtemro.com.



Fleet & Customer Questions

1. Is cab comfort (heating, cooling & electrification) important in attracting and/or retaining drivers?
2. How many hours a day, week or month do you currently idle your truck fleet?
3. Do you know the diesel fuel costs associated with current engine idling?
4. Can you tell me how much service or maintenance is costing you because of engine idling?
5. Do you have a minimum truck alternator size of 165 AMPS and drive 4-6 hours per day?
6. Do you travel or layover into states/provinces that have regulations or restrictions on idling and are you currently compliant?
7. Are you parking your vehicles in areas that have noise or decibel restrictions?
8. What are you hauling?
 - a. Refrigerated
 - b. Dry Van
 - c. Flatbed
 - d. Bulk Freight