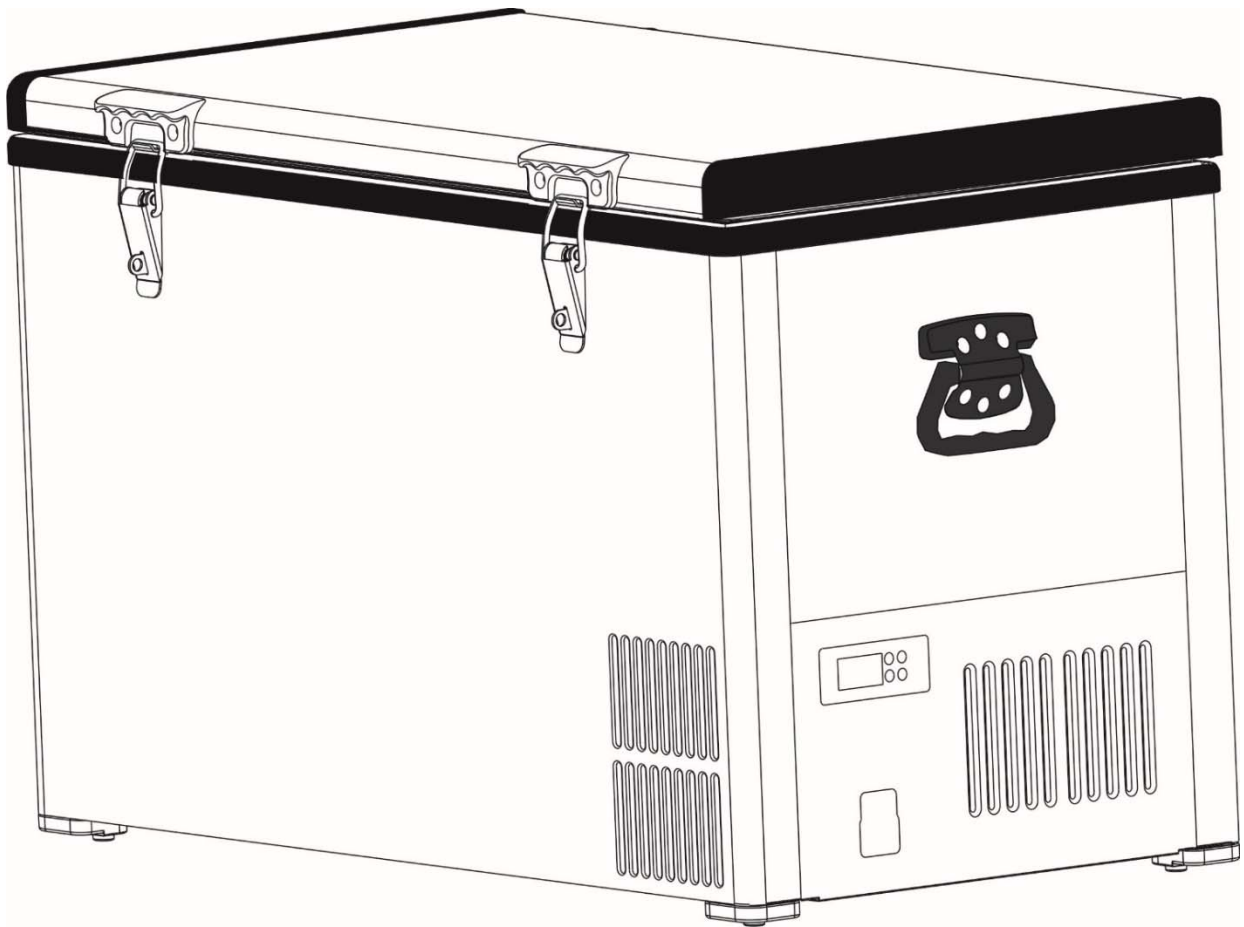


EDGESTAR[®]

Portable Fridge / Freezer



FP430 / FP630 / FP861

Owner's Manual

For more information on other great EdgeStar products on the web, go to <http://www.edgestar.com>
To use the EdgeStar self-diagnostic tool, go to <https://support.edgestar.com>

Important Safety Information

Improper handling can cause serious damage to the EdgeStar portable fridge / freezer and / or injury to the user. This fridge / freezer is designed for domestic use only. **Do not use the unit for industrial or commercial use.** Any other use may invalidate the warranty. Please review the ratings label located on the rear panel of the unit for electrical and other technical data related to this unit. The unit must be used in a properly grounded wall outlet when using AC power.

Please read and follow the safety information listed below to reduce the risk of fire, electric shock, or injury.



Electrical Safety

- Do not exceed the power outlet ratings.
- Use outlets that cannot be turned off by a switch or pull chain.
- Never pull the power cord to disconnect it from the outlet. Grasp the plug directly and pull it from the outlet.
- Never lift or carry the freezer by the power cord.
- Keep the power cord away from heated surfaces.
- Always turn the unit off and unplug it from the outlet when cleaning.
- Do not operate the unit with a power plug missing the ground plug, a damaged cord, or a loose socket.
- Be sure the portable freezer is properly grounded.
- Never handle / operate the unit with wet hands or while standing on a wet surface.
- Keep the unit protected from rain, sleet, snow, and / or moisture.
- Do not bypass, cut, or remove the grounding plug.
- Do not use extension cords or power strips with this unit. Plug the power cord directly into an outlet.
- Do not modify the power cord's length or share the outlet with other appliances.
- Do not start or stop the unit by switching the circuit's power on and off.
- If the power cord is damaged, it must be replaced by the manufacturer or a qualified technician.
- Immediately unplug the unit if it makes strange sounds, emits smells, or smoke comes out of it, and contact customer service.
- Do not remove any part of the casing unless you are instructed to do so by an authorized technician.
- You should never attempt to repair the unit yourself. Contact customer service for service options if the unit needs service.
- Do not pinch or kink the power supply line between the unit and the cabinet.



Note: For your personal safety, this appliance must be grounded. It is equipped with a power supply cord with a 3-prong grounding plug. To minimize possible shock hazard, the cord must be plugged into a mating 3-pronged wall socket, and grounded in accordance with the National Electrical Code and local codes and ordinances. If a mating wall socket is not available, it is the personal responsibility of the customer to have a properly grounded, 3-prong wall receptacle installed by a qualified electrician.



General Safety

- To prevent back and other types of injuries, use at least two people to move the portable freezer.
- When positioning the portable freezer, ensure that there is at least 3” of clearance at the sides and 5” of clearance at the back of the unit to allow for proper ventilation of heat.
- To prevent the temperature from increasing dramatically, close the freezer lid immediately.
- This unit is not intended to be used by children. Children should be supervised to ensure that they do not play with this appliance.
- Never allow children to crawl inside of the unit. If you are disposing of the unit, remove the door.
- If your model of portable freezer is equipped with a lock, be sure to keep the keys away from children.
- Do not place the unit near heat sources such as ovens, grills, or direct sunlight.
- Do not leave any cleaning solutions in the unit.
- Do not use solvent-based cleaning agents or abrasive solutions to clean the unit as they may damage the interior and exterior.
- Do not turn the unit upside down, on its side, or at an angle beyond 30 degrees.
- Only use the unit in an upright position on a flat and level surface.
- Make sure the unit is on a stable surface able to withstand the weight of the unit and all of its contents.
- Do not move the unit without emptying the contents and securing the door in a closed position.
- The cord should be secured behind the unit and should not be left exposed to avoid damage and / or injury.
- Unplug the unit if it is not going to be used for an extended period of time.



Note: This owner’s manual is provided for reference use only. Specifications may change without prior notice. Refer to the product label on your portable freezer for the latest technical information.

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First Time Operating Instructions

Before use, make sure all packaging labels and materials are removed from the unit. Be sure to keep track of all included parts and pieces before discarding packaging materials. It is advised that you keep the original box and packaging materials in case you ever need to move or ship the appliance in the future.

Let the unit stand for at least 24 hours before you use it; this allows the cooling components time to settle from transit. The instruction manual should be read before use.

Introduction

Thank you for purchasing this EdgeStar portable fridge / freezer. We hope that this purchase will be the beginning of a lasting and rewarding relationship between you and EdgeStar. We will provide the customer support and exemplary products necessary to nurture that relationship.

This manual contains important information regarding the proper installation, use, and maintenance of your portable fridge / freezer. Following this manual will ensure that your product will work at its peak performance and efficiency.

Please save the original product packaging in case you need to safely transport your beverage cooler.

For Your Records:

Please write down the model number and serial number below for future reference.

Both numbers are located on the ratings label on the back of your unit and are needed to obtain warranty service. You may also want to staple your receipt to this manual as it is the proof of your purchase, and is also needed for service under your warranty.

Model Number: _____

Serial Number: _____

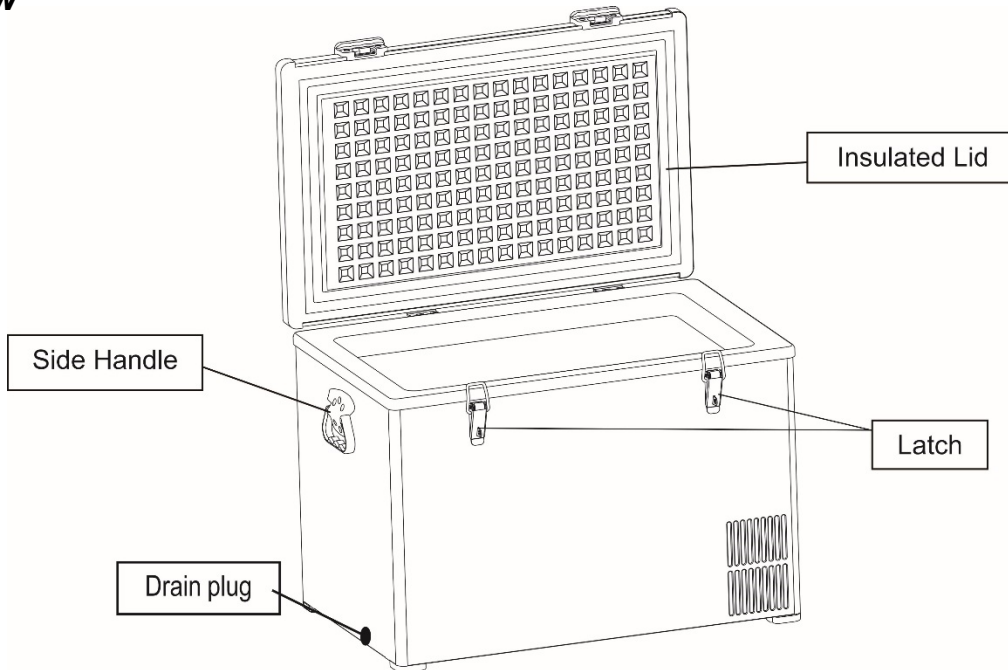
Date of Purchase: _____

For a more efficient experience, please do the following before contacting customer service:

- If you received a damaged product, immediately contact the retailer or dealer that sold you the product.
- Read and follow this instruction manual carefully to help you install, use, and maintain your portable fridge / freezer.
- Read the troubleshooting section of this manual as it will help you diagnose and solve common issues.
- Visit us on the web at <http://www.edgestar.com> to register your product, download product guides, and access additional troubleshooting resources and up-to-date information. You can also find an interactive self-diagnostic tool at <https://support.edgestar.com>
- If you need warranty service, our friendly customer service representatives are available via email at **service@edgestar.com** or by telephone at **1 (866) 319-5473**.

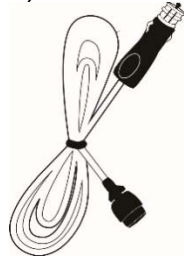
Parts Identification

Open View

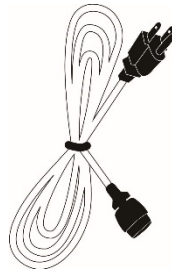


Accessories

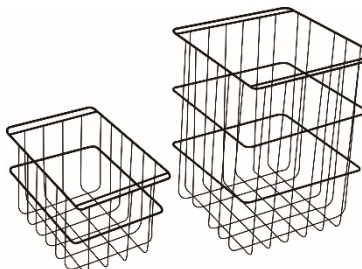
1. DC Power Cord: This power cord is for use when traveling. It can be plugged directly into your car lighter (12V power source).



2. AC Power Cord: This power cord is for use at home. It can be plugged directly into a grounded outlet.



3. Interior Wire Baskets

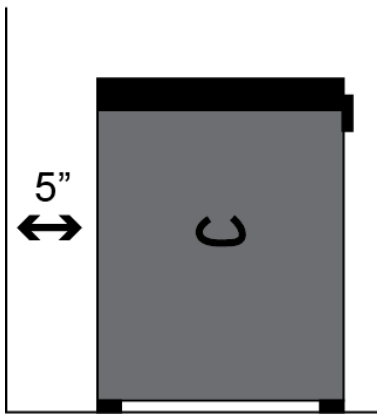


Installing the Portable Fridge / Freezer

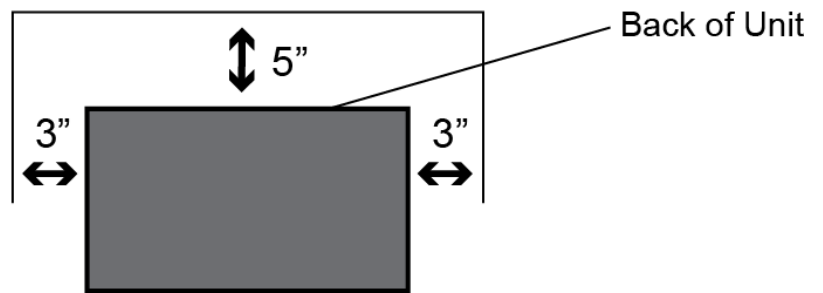
Operation Location Requirements

- Position your portable freezer in a location where there is proper air circulation and electrical connections.
- Keep the portable freezer away from heat and direct sunlight if possible.
- This portable freezer is suitable for car use and camping. However, the appliance should not be exposed to rain or any other severe weather elements.
- This portable freezer should not be placed in a built-in or recessed area. It is designed to be freestanding.
- The normal operation of the freezer depends on heat radiation from the condenser. For the initial use, remove all packaging and allow at least 5" of clearance at the back of the freezer and 3" at the sides.

Side View



Top View



Note: Because this unit is compressor-based, ample space is required around the unit to allow it to exhaust properly.

Handling and Installation

1. Remove all interior and exterior packaging.
2. Position the freezer in a dry and well-ventilated place. Keep the freezer away from direct sunlight, heaters, and corrosive gas.
3. Clean the interior surface with a small amount of lukewarm water and a soft cloth.
4. When inserting the AC power cord into the power socket. Make sure the power socket is a grounded 115V~AC / 60 Hz socket. Also make sure that the unit's grounding prong is not damaged.



Note: When inserting the DC power cord, make sure the input is a 12V~DC / 24 V power source.

5. When moving the freezer, always use both handles to carry the unit as level as possible in order to protect the compressor and the sealed system.



Warning: Use two or more people to move and handle this unit. Failure to do so can result in back or other injury. Carefully remove the packaging materials and any shipping tape before use.



Important: Do not remove any safety, warning, or product information labels from your portable fridge / freezer.

Operation

Test Run: DC Input Power

The control system allows for the voltage cut-out to be set to three (3) different settings depending on the environment & situation that the appliance is being operated in. Low voltage supply to the appliance can result in poor cooling performance and damage to the supply battery.

When using 12V DC, the digital readout will show the factory setting 10.0V DC. To ensure that suitable battery voltage can be maintained the controller has been programmed to offer three (3) cut-out levels: 11.8, 10.7, and 10.0V DC.

When using 24V DC, the digital readout will show the factory setting 22.2V DC. To ensure that suitable battery voltage can be maintained the controller has been programmed to offer three (3) cut-out levels- 25.0, 23.5 & 22.2V DC.

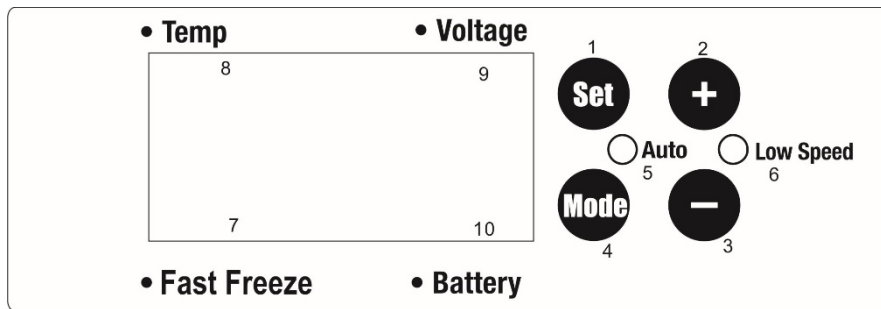
To set the battery cut-out to the required level follow these steps:

1. Press "**Set**" to switch from temperature setting to low-voltage setting. Press once to set the temperature, and press again to set the low voltage cut-out.
2. Push the "+" or "-" to adjust the setting. The display will flash four (4) times with the selected setting. To check press "SET" once and the selected setting will flash and then return to current voltage input.

When the appliance is disconnected from the power source the battery cut-out remains at its last setting.

Temperature Control Settings

Your portable freezer uses a digital control system for adjusting the thermostat.



Set Button

Press the “Set” button to toggle between setting the temperature and setting the low voltage cut-off.

(+) and (-) Temperature Control Buttons

The unit’s temperature can be set within a range of -8°F to 50°F in 1°F increments. Press the Set button and choose your desired temperature setting. For lower temperature setting, press the Down (-) button and set to a lower temperature value. For higher temperature setting, press the Up (+) button and set to a higher temperature value. Once the desired temperature is set, the temperature display will flash four (4) times confirming the chosen temperature and then it will revert back to current temperature setting. The set temperature can be checked by pressing the Set button again.

Mode (Power) Button

Press the Mode button to turn on the portable freezer. To turn off, hold the Mode button for five (5) seconds. When the portable freezer is in operation, press the Mode button to cycle between Auto, Low Speed, and Fast Freeze Operation.

Auto Indicator Light

The Auto indicator light will illuminate a yellow light when the freezer is running on Auto Mode. In this mode, the unit operates in a manner that ensures hassle-free operation while automatically maintaining the set temperature. The temperature can be set between -8°F to 50°F . The portable freezer measures the temperature inside the freezer cabinet and automatically adjusts the appropriate temperature setting for optimal operation.

Low Speed Mode Indicator Light

The Low indicator light will illuminate a green light the freezer is running on Low Speed Mode. In this mode, the portable freezer operates at the lowest fan speed while automatically maintaining the set temperature. The temperature can be set between -8°F to 50°F . The unit switches to lower activity level, and fan speed and compressor operation are reduced, thus energy consumption is minimized.

Fast Freeze Indicator

LED displays “FF”. The freezer will rapidly cool the unit to -8°F. The freezer will then maintain this temperature. To operate the unit in Fast Freeze mode when the unit is on, press the MODE button until the FF indicator comes on.



Note: Do not run the unit on “FF” (fast freeze) for more than four (4) hours, as this might adversely affect the refrigeration system.

Temperature Display (°F)

The LED display shows the actual temperature inside the portable freezer.

Voltage Display

If a 115 Volt connection is active and the AC Cord is plugged in, the LED Display will display “AC” indicator. If 12 Volt connection is active and the DC Cord is plugged in, the LED Display will display “DC” indicator.

Battery Display

The battery icon will be displayed only when connected to a DC power source. The battery icon symbolizes the remaining battery source voltage.

Temperature Adjustment



Note: Do not use the refrigerator-freezer as a refrigerator when the ambient temperature is lower than 41° F.

When the freezer is connected to a power source, press the “Set” button. The LED will display the factory pre-set freezing temperature of 0° F.

Temperature Adjustment:

1. Press the “Set” button.
2. While the LED is flashing, press the “+” or “-” button to reach the desired temperature.

Battery Cut-Out Setting



Note: The battery cut-out settings can only be operated with a DC power source.

1. Press the “Set” button twice in a row. The LED display will flash the current low-voltage.
2. Press the “+” or “-” button to adjust the setting. The battery cut-out setting will be saved after five (5) seconds without any further input.

The battery display on the LED screen will flash when the voltage is low.

OFF Mode Setting

Hold the “Mode” button for five (5) seconds to turn the unit off. The LED display will read “OFF.”

Food Storage

Fresh foods should not be stored together with frozen foods. When the temperature is set below 32° F, do not keep glass-bottled drinks such as beer and lemonade in the freezer as the bottles might shatter.

Normal Sounds

Your new portable fridge / freezer may make sounds that are not familiar to you. Most of the new sounds are normal. Hard surfaces like the floor and walls can make the sounds seem louder than they actually are. The following describes the kinds of sounds that might be new to you and what may be making them.

- It is normal to hear gurgling sounds caused by the flow of refrigerant when each cooling cycle ends.
- The noise emitted by the cooling fan on the condenser is a normal function.
- It is normal for the fan in the power supply to run all the time.

Defrosting and Deodorizing

When the ice layer on the inner cabinet sides is over 0.2", the defrosting operation should be performed to improve the refrigerating efficiency. To do this, follow these steps:

1. Turn off the power, and remove all items inside the portable freezer.
2. Allow the ice to melt completely.
3. Remove the drain plug and drain all of the water. Once the unit is defrosted and all the water has drained out, clean the interior with a soft rag before using the unit.



Tip: To remove bad odors, place a piece of charcoal in the chest.



Warning: Never remove ice with a sharp object or screwdriver.

Preparing the Portable Freezer for Storage

If the portable fridge / freezer will not be used for a long time, it will be necessary to defrost the unit and dry the interior.

1. Disconnect the freezer from the power supply by removing the power plug from the wall socket.
2. Leave the freezer lid open to allow for air circulation and to prevent mold, mildew, and unpleasant smells.



Caution: Store the unit out of the reach of children. If you have children, you may want to take additional precautions such as removing the door to prevent a child from being trapped inside the freezer!



Important:

- Do not touch the power plug when your hands are wet.
- Never unplug the unit by pulling on the plug.

Cleaning and Maintenance

Periodic cleaning and proper maintenance will ensure efficiency, top performance, and long life.

The exterior and interior may be cleaned with a mild detergent and lukewarm water solution such as 2 tablespoons of baking soda to 1 quart of water.

Use a soft sponge and rinse with clean water. Wipe with a soft clean towel to prevent water spotting. Never use an abrasive or caustic cleaning agent.

Cleaning Check List

1. Disconnect power to the unit.
2. Open the door and remove the contents and baskets.
3. Wait until the unit defrosts.
4. With a clean cloth, wipe down the interior of the unit.
5. Reinsert the contents and baskets.
6. Reconnect power to the unit.



Note: Do not use solvent based or abrasive cleaners.

Troubleshooting

Before Calling for Help

If the unit appears to be malfunctioning, read through the “Operation” section of this manual first. If the problem persists, check the Troubleshooting Guide below. The problem may be something that can easily be solved or explained.

Symptoms	Possible Causes	Solutions
The unit is not functioning at all and shows no signs of power.	The unit is not receiving power.	Make sure the unit is plugged in.
	There is insufficient power to the unit.	Move the unit to another outlet. Check your circuit breaker. Refer to the rating label on the back of the unit to determine the Amperage draw.
	There is an AC power cord malfunction.	Test the unit with a different cord. If the unit works, replace the damaged AC cord.
	There is a DC power cord malfunction.	Test the unit with another power supply, such as another vehicle with a known working DC power outlet.
	There is a disconnected wire.	Contact customer service.
The unit is making strange noises.	Some noises are normal.	Check the “Normal Sounds” section.
	The unit is not level.	Move the unit to a level surface.
The unit is making a loud continuous metallic knocking or pinging sound.	The unit may have been shipped on its side.	Shut the unit off. Let the unit sit on a level surface for at least 24 hours and then restart it.
	The compressor is damaged.	Contact customer service.
The unit runs for a little while, then trips the power cord or the circuit breaker.	The unit may be plugged into an outlet that cannot supply the correct amount of current.	Contact an electrician if the unit works in a different room or circuit.
The control panel lights blink randomly.	The unit may have a faulty control panel.	Restart the unit, and if the issue persists, contact customer service.
The unit has an OC error.	A thermostat error was detected.	Restart the unit, and if the issue persists, contact customer service.
The unit has a SC error.	A short circuit in the thermostat was detected.	Restart the unit, and if the issue persists, contact customer service.
The unit has power, but the compressor does not run.	The ambient temperature is too low.	Move the unit to a warmer location.
	A wire is disconnected.	Contact customer service.

Specifications



Note: Technical data and performance information are provided for reference only. Specifications are subject to change. Check the rating label on the portable fridge / freezer for the most accurate information.

Description of product	Portable Fridge / Freezer	Portable Fridge / Freezer	Portable Fridge / Freezer
Model	FP430	FP630	FP861
Voltage / Frequency	AC: 115V~60 Hz DC: 12/24 V	AC: 115V~60 Hz DC: 12/24 V	AC: 115V~60 Hz DC: 12/24 V
Amperage	0.75 A	0.8 A	1.0 A
Input Power	65 W	75 W	80 W
Color	Grey with black trim	Grey with black trim	Grey with black trim
Storage Capacity	43 qt.	63 qt.	83 qt.
Refrigerant	R134a	R134a	R134a
Temperature Range	-8° F to 50° F	-8° F to 50° F	-8° F to 50° F
Dimensions (Height x Width x Depth)	20 1/2" x 24 5/8" x 18 1/8"	20 1/2" x 29 1/8" x 19 1/2"	23 3/8" x 29 1/8" x 19 1/2"
Weight	48.5 lbs.	61.7 lbs.	66.2 lbs.

EdgeStar Limited Warranty

One (1) Year Parts & Ninety (90) Days Labor

This product is warranted by EdgeStar to be free from defective workmanship and materials, subject to any conditions set forth as follows:

WHAT IS COVERED:

LABOR: For a period of NINETY (90) DAYS from the date of original purchase, labor will be performed free of charge at an authorized EdgeStar repair facility. At its option, EdgeStar will repair the product with new or remanufactured parts, or exchange the defective product with a new, refurbished, or remanufactured product. If a product is replaced, it will carry the remaining warranty of the original product. After the ninety (90) day period, EdgeStar will no longer be responsible for labor charges incurred. All defective products and parts covered by this warranty will be repaired or replaced on a mail-in basis to an EdgeStar authorized repair facility.

PARTS: For a period of ONE (1) YEAR from the date of original purchase, EdgeStar will supply new, rebuilt, or refurbished parts free of charge. EdgeStar may request a defective part be returned in exchange for the replacement part. All replacement parts or products will be new, remanufactured, or refurbished. All products and parts replaced by EdgeStar under warranty service become the property of EdgeStar.

This warranty applies to the original purchaser only, and only covers defects in workmanship experienced during operation of the product under normal service, maintenance, and usage conditions. This warranty applies to the purchase and use of this product in residential settings within the contiguous United States of America.

WHAT IS NOT COVERED:

The following limitations apply to the coverage of this warranty. This warranty does not cover:

- Labor charges for installation, setup or training to use the product.
- Shipping damage, and any damage caused by improper packaging for shipment to an authorized service center, and any damaged caused by improper voltage or any other misuse, including abnormal service, handling, or usage.
- Cosmetic damage such as scratches and dents.
- Normal wear and tear on parts or replacement of parts designed to be replaced, e.g. filters, cartridges, batteries.
- Service trips to deliver, pick-up, or repair, install the product, or to instruct in proper usage of the product.
- Damages or operating problems resulting from misuse, abuse, operation outside environmental specifications, uses contrary to instructions provided in the owner's manual, accidents, acts of God, vermin, fire, flood, improper installation, unauthorized service, maintenance negligence, unauthorized installation or modification, or rental or commercial use.
- Labor, service transportation, and shipping charges incurred 91 days or more after the date of original purchase.
- The use of EdgeStar products in commercial or rental settings.
- Optional accessories, attachments, and appearance items.
- Products that have been modified to perform outside of specifications without the prior written permission of EdgeStar.
- Products lost in shipment, or theft.
- Products sold AS IS or from an unauthorized reseller.
- Products that have had their serial numbers removed or defaced. Products with serial numbers that have been invalidated.
- Damage to personal property from use of product.
- Replacement of repair of household fuses, circuit breakers, wiring, or plumbing.

OBTAINING WARRANTY SERVICE:

If you believe your product is defective, contact EdgeStar Customer Support for troubleshooting assistance and warranty service at www.edgestar.com or 1-866-319-5473. Before contacting EdgeStar, have your serial number and proof of purchase available. Once an EdgeStar authorized representative has confirmed that your product is defective and eligible for warranty service, the product must be returned to an EdgeStar repair facility. The purchaser is solely responsible for prepaying all shipping related costs to and from the repair facility. EdgeStar is not responsible for damage resulting from shipper mishandling or improper packaging. Do not return a defective product to the place of purchase. Products received without a return authorization number will be refused.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, IT IS LIMITED IN DURATION TO THE EXPRESS WARRANTY PERIOD ABOVE. NEITHER THE MANUFACTURER NOR ITS DISTRIBUTORS SHALL BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY NATURE, INCLUDING WITHOUT LIMITATION, LOST REVENUES OR PROFITS, OR ANY OTHER DAMAGE WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. IN NO EVENT AND UNDER NO CIRCUMSTANCE OF ANY TYPE OR KIND SHALL THE SELLER, MANUFACTURER AND/OR DISTRIBUTOR BE LIABLE FOR ANY REASON, UNDER ANY THEORY, FOR MORE THAN THE BASIC COST OF THE PRODUCT TO THE PURCHASER OR END USER. SOME STATES DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.