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› Upstreman 30L Portable Compressor Refrigerator/Freezer AR30 User Manual

## Upstreman AR30

# Upstreman 30L Portable Compressor Refrigerator/Freezer

MODEL: AR30

User Manual

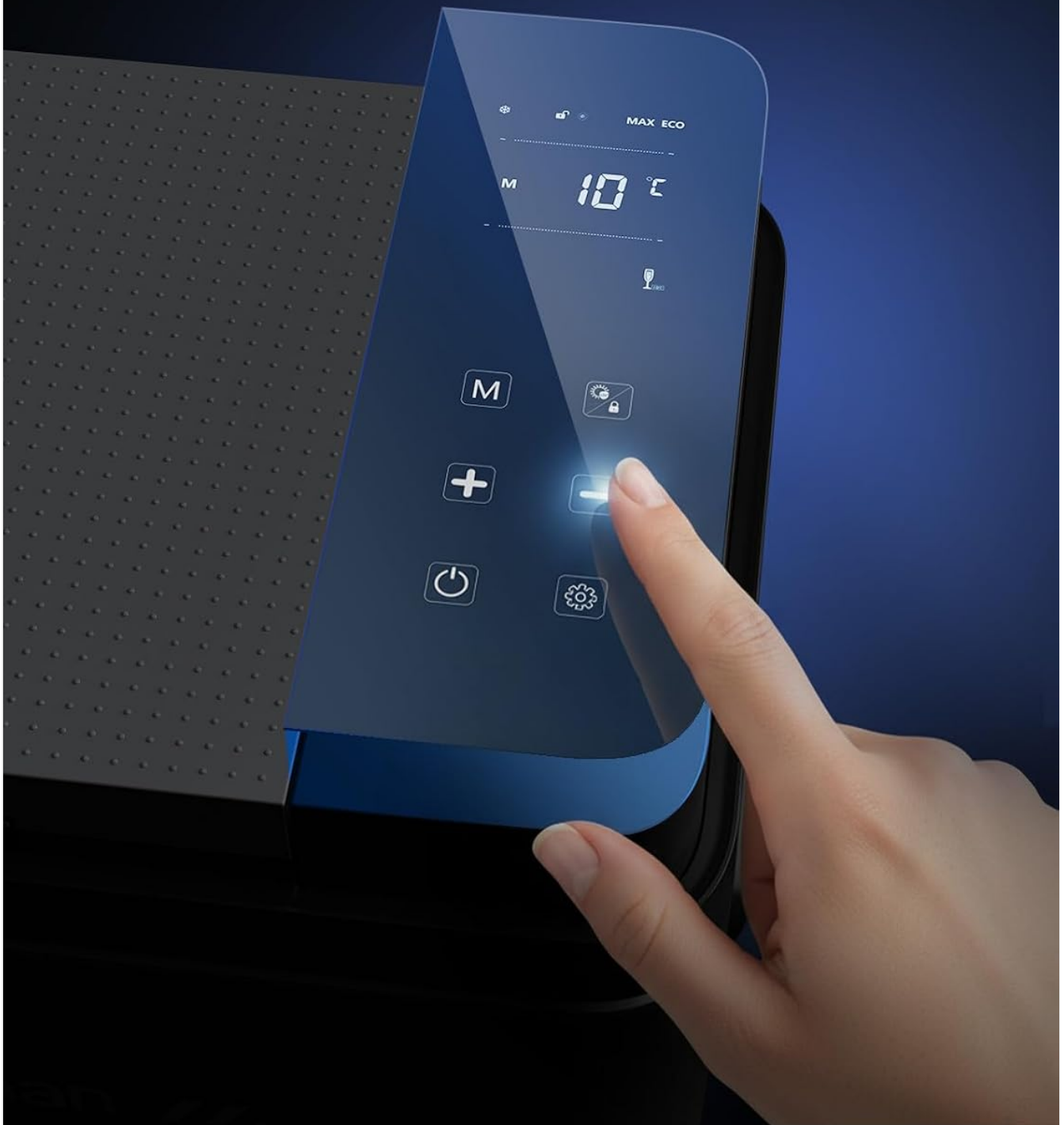
## 1. Introduction

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The Upstreman 30L Portable Compressor Refrigerator/Freezer (Model AR30) is designed for versatile cooling and freezing on the go. This unit operates on both 12/24V DC and 220-240V AC power, making it suitable for vehicles, trucks, camping, and home use. With a temperature range from -20°C to 20°C, it can function as either a refrigerator or a freezer. Key features include an intuitive LED display, efficient compressor cooling, and a compact design with a 30-liter capacity.

# Grand Écran

Plus clair et plus pratique



A black Upstreman 30L portable compressor refrigerator/freezer, showcasing its compact design.

## 2. Safety Instructions

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Please read all safety instructions carefully before operating the appliance to ensure safe and proper use.

- Ensure the power voltage matches the specifications of the appliance.

- Do not operate the appliance if the power cord is damaged.
- Keep the appliance away from heat sources and direct sunlight.
- Ensure adequate ventilation around the unit; do not block air vents.
- Do not immerse the appliance in water or expose it to rain.
- Unplug the appliance before cleaning or maintenance.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

### 3. Product Overview

#### 3.1. Components

- Main Refrigerator/Freezer Unit
- Lid
- Control Panel with LED Display
- Hidden Handles
- AC Power Adapter
- 12V/24V DC Car Cigarette Lighter Cable

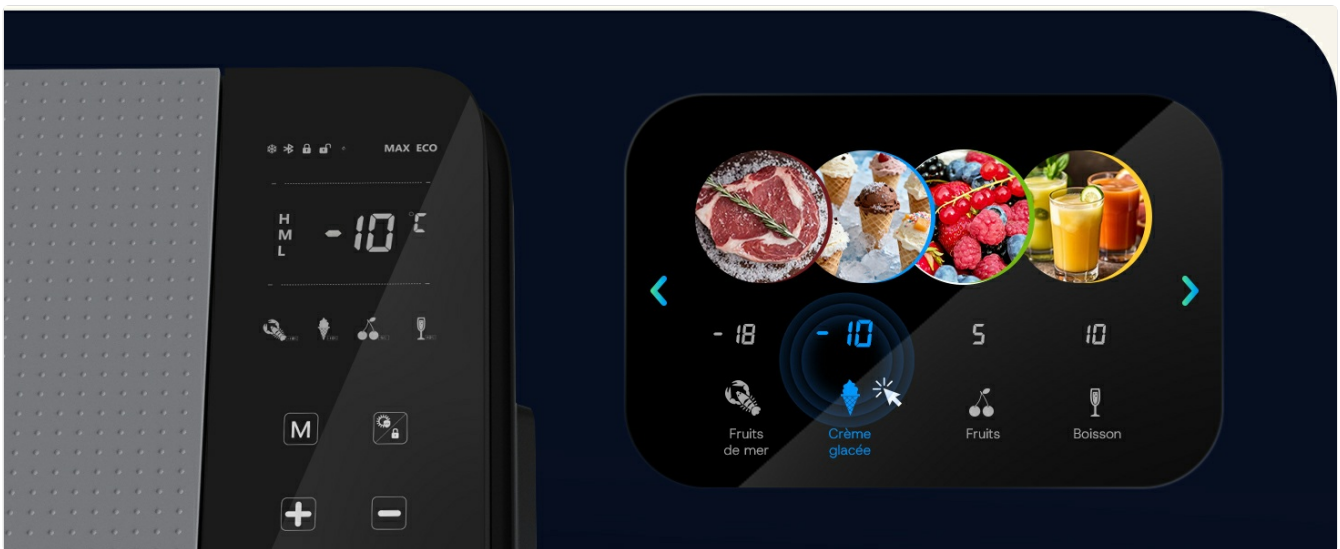
#### 3.2. Control Panel

The control panel allows you to manage the appliance's settings and monitor its status.



A close-up view of the Upstreman AR30's LED control panel, showing temperature display, mode selection (MAX/ECO), and power buttons.

- **Power Button:** Turns the unit on or off.
- **Mode Button (M):** Switches between MAX (rapid cooling) and ECO (energy-saving) modes.
- **Temperature Up (+):** Increases the target temperature.
- **Temperature Down (-):** Decreases the target temperature.
- **Settings Button (Gear Icon):** Accesses additional settings like battery protection level.
- **LED Display:** Shows current temperature, target temperature, and operating mode.
- **Lock Button:** Child lock function.



The control panel of the Upstreman AR30, illustrating how to adjust temperature and select preset cooling options for different food types like seafood, ice cream, fruits, and beverages.

## 4. Setup

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### 4.1. Unpacking and Inspection

Carefully remove the refrigerator/freezer from its packaging. Inspect the unit for any damage that may have occurred during transit. Ensure all components listed in Section 3.1 are present.

### 4.2. Placement

Place the appliance on a stable, level surface. Ensure there is at least 10 cm of space around all sides for proper ventilation. Avoid placing it in direct sunlight or near heat sources.

### 4.3. Power Connection

The AR30 supports both AC and DC power inputs.

- **For Home Use (220-240V AC):** Connect the AC power adapter to the unit's AC inlet, then plug the adapter into a standard wall outlet.
- **For Vehicle Use (12V/24V DC):** Connect the 12V/24V DC car cigarette lighter cable to the unit's DC inlet, then plug the other end into your vehicle's cigarette lighter socket.

## 2 Voies d'Alimentation

Pour  
Voiture



12V/24V DC



À Domicile



220–240V AC



This image demonstrates the dual power capability of the Upstreman AR30, showing it connected to a 12V/24V DC car outlet and a 220-240V AC home power socket.

### 5. Operating Instructions

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#### 5.1. Powering On/Off

Press the power button on the control panel to turn the unit on. Press and hold the power button for a few seconds to

turn it off.

## 5.2. Temperature Setting

Once powered on, the LED display will show the current internal temperature. Use the **+** and **-** buttons to set your desired temperature. The temperature range is from  $-20^{\circ}\text{C}$  to  $20^{\circ}\text{C}$ .



This image displays the versatile temperature ranges of the Upstream AR30, indicating it can function as a refrigerator ( $0^{\circ}\text{C}$  to  $20^{\circ}\text{C}$  for fruits, drinks, milk) or a freezer ( $-20^{\circ}\text{C}$  to  $0^{\circ}\text{C}$  for ice, fish, meat).

## 5.3. Operating Modes (ECO/MAX)

Press the **M** (Mode) button to switch between two operating modes:

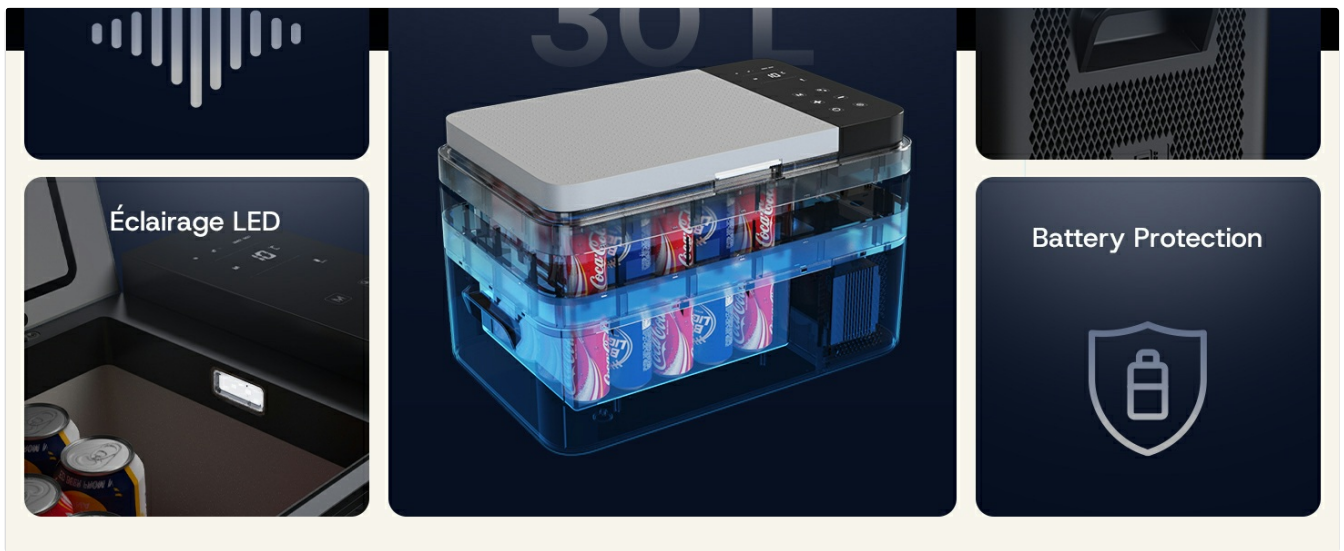
- **MAX Mode (45W):** Provides rapid cooling to reach the desired temperature quickly.
- **ECO Mode (35W):** Offers energy-saving operation, ideal for maintaining temperature over longer periods.



An illustration comparing the ECO (35W) and MAX (45W) operating modes of the Upstream AR30, highlighting energy efficiency versus rapid cooling.

## 5.4. Battery Protection

The unit features a 3-level battery protection system (H/M/L) to prevent your vehicle's battery from deep discharge. Press the **Settings** button (gear icon) to cycle through the protection levels. It is recommended to set it to 'H' (High) when connected to a vehicle battery to prevent excessive discharge.



A visual representation of the battery protection settings on the Upstreman AR30, designed to prevent deep discharge of the vehicle battery.

### 5.5. Internal LED Lighting

The AR30 is equipped with an internal LED light that automatically illuminates when the lid is opened, providing visibility in low-light conditions.

# Éclairage LED Interne

Trouvez facilement vos boissons, même de nuit ou dans l'obscurité



The Upstreman AR30 portable refrigerator in a night camping setting, highlighting its internal LED lighting for easy visibility in the dark.

## 5.6. Capacity and Usage

The 30-liter capacity allows for storage of various items, such as beverages, fruits, and other food products. The compact design and hidden handles facilitate easy transport.

# Large Plage de Température

Répondre à vos différents besoins



- 18

Fruits de mer



- 10

Crème glacée



5

Fruits



10

Boisson

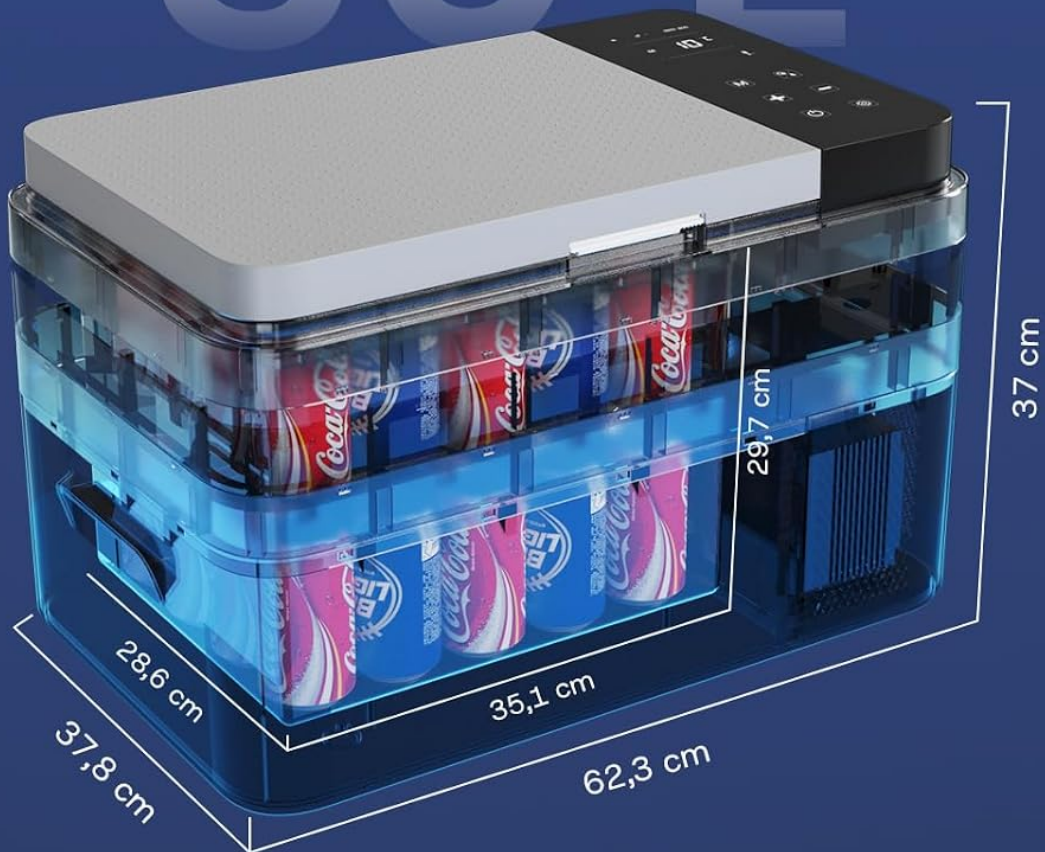
The interior of the Upstreman AR30 portable refrigerator, showcasing its capacity filled with drinks, fruits, and other food items.

# 30L Grand Capacité

Pas besoin de glace, plus d'espace

40 Canettes  
de Cola 

# 30 L



A detailed diagram showing the external dimensions (62.3 x 37.8 x 37 cm) and internal capacity (30 liters) of the Upstreman AR30, including space for 40 cola cans.

## 5.7. Cooling Performance

Thanks to its high-performance compressor, the AR30 can cool from 20°C to 0°C in approximately 15 minutes (based on an empty refrigerator at 20°C ambient temperature).

# Compresseur Puissant Pour Refroidissement Rapide

Note: Test du réfrigérateur vide à l'environnement de 32°C



A graphic illustrating the rapid cooling capability of the Upstreman AR30, showing it can cool from 20°C to 0°C in 15 minutes and down to -20°C in 45 minutes (based on an empty refrigerator at 32°C ambient temperature).

## 6. Maintenance

### 6.1. Cleaning

- Always unplug the unit before cleaning.

- Wipe the interior and exterior surfaces with a damp cloth and a mild detergent.
- Do not use abrasive cleaners, steel wool, or harsh chemicals.
- Ensure the unit is completely dry before plugging it back in.

## 6.2. Defrosting

If a layer of ice forms inside the unit, manually defrost it. Turn off the appliance, unplug it, and leave the lid open to allow the ice to melt naturally. Wipe away any melted water with a clean cloth.

## 6.3. Storage

When storing the appliance for an extended period, ensure it is clean and dry. Leave the lid slightly ajar to prevent odors and mold growth.

## 7. Troubleshooting

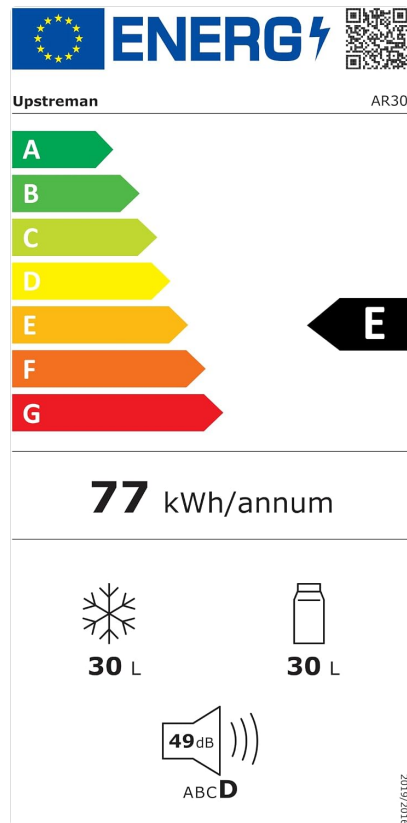
If you encounter issues with your Upstreman AR30, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit not turning on	No power supply; Damaged power cord; Blown fuse in vehicle	Check power connection; Try a different outlet/cable; Check vehicle fuse box
Not cooling sufficiently	Temperature setting too high; Blocked ventilation; Excessive items inside; Lid not closed properly	Lower temperature setting; Ensure clear vents; Do not overfill; Close lid securely
Displaying error code	Specific internal fault	Refer to the full manual for specific error codes or contact customer support.
Excessive noise	Unit not level; Fan obstruction	Place on a level surface; Check for obstructions around the fan.

## 8. Specifications

Feature	Specification
Model Number	AR30
Capacity	30 Liters
Dimensions (D x W x H)	37.8 x 62.3 x 37 cm
Weight	11.6 Kilograms
Temperature Range	-20°C to 20°C
Power Input	12V/24V DC, 220-240V AC
Cooling Method	Compressor
Refrigerant	R-600A
Annual Energy Consumption	79 kWh/year
Noise Level	49 dB

Feature	Specification
Energy Efficiency Class	E
Defrost System	Manual
Special Feature	Compact, LED Lighting, Adjustable Temperature Control



The EU Energy Efficiency Label for the Upstreman AR30, showing an E rating, 77 kWh/annum energy consumption, 30L capacity, and 49 dB noise level. For more information, visit: <https://eprel.ec.europa.eu/qr/2502260>

## 9. Warranty and Support

This Upstreman product comes with a one-year warranty from the date of purchase. For any questions, technical support, or warranty claims, please contact Upstreman customer service through the retailer where you purchased the product or visit the official Upstreman website.

## 10. Usage Scenarios

The Upstreman AR30 is designed for various portable cooling needs:

- **Camping:** Keep food and drinks fresh during outdoor adventures.
- **Road Trips:** Ideal for cars and trucks, ensuring refreshments are always available.
- **Outdoor Gatherings:** Perfect for picnics, BBQs, and parties.
- **Daily Use:** Convenient for grocery runs, keeping perishables cool on the way home.



The Upstreman AR30 portable refrigerator securely placed in the trunk of a car, ready for travel.



A scene showing two people loading groceries into the Upstreman AR30 portable refrigerator, which is placed in the trunk of a car.

## Camion



The Upstreman AR30 portable refrigerator positioned inside the cabin of a truck, suitable for long-haul journeys.

## Fête



The Upstreman AR30 portable refrigerator being used at an outdoor gathering, keeping beverages and food cool.