**ICECO APL20**

# ICECO APL20 12 Volt Car Refrigerator User Manual

Model: APL20 | Brand: ICECO

## 1. Introduction

Thank you for choosing the ICECO APL20 12 Volt Car Refrigerator. This 20-liter portable fridge freezer is engineered for efficiency and durability, making it ideal for your RV, truck, and camping adventures. Featuring a SECOP Nano Compressor, it offers a wide cooling range from -4°F to 68°F (-20°C to 20°C) and operates with low noise. Its lightweight aluminum construction ensures robustness and portability.

Figure 1: The ICECO APL20 portable refrigerator, showcasing its compact design and app connectivity.

Video 1: An overview of the ICECO APL20, highlighting its ultralight design and portability. This video demonstrates the physical attributes and ease of handling of the refrigerator.

## 2. Safety Warnings

Please read all safety instructions carefully before operating the appliance. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- Do not operate the appliance if it is damaged.
- Ensure proper ventilation around the unit. Do not block the ventilation openings.
- Do not immerse the appliance in water or other liquids.
- Use only the power cables provided by ICECO.
- Keep the appliance away from heat sources and direct sunlight.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

## 3. Package Contents

Verify that all items are included in the package:

- ICECO APL20 Portable Refrigerator
- 12/24V DC Power Cable (for car/truck use)
- 100-240V AC Adapter (for home/RV use)
- User Manual

# 4. Setup

## 4.1 Power Connection

The ICECO APL20 can be powered by either a 12/24V DC source (car cigarette lighter) or a 100-240V AC source (standard wall outlet).

- **DC Power:** Connect the 12/24V DC power cable to the refrigerator's DC input port and then to your vehicle's cigarette lighter socket.
- **AC Power:** Connect the 100-240V AC adapter to the refrigerator's AC input port and then to a standard wall outlet.

Figure 2: Detail of the robust latches and power input ports on the ICECO APL20.

## 4.2 App Connectivity

Control your ICECO APL20 remotely via the dedicated smartphone app. Download the 'ICECO' app from your device's app store (Android/iOS).

1. Ensure Bluetooth is enabled on your smartphone.
2. Open the ICECO app and follow the on-screen instructions to search for and connect to your APL20 refrigerator.
3. Once connected, you can monitor temperature, adjust settings, and switch modes directly from your phone.

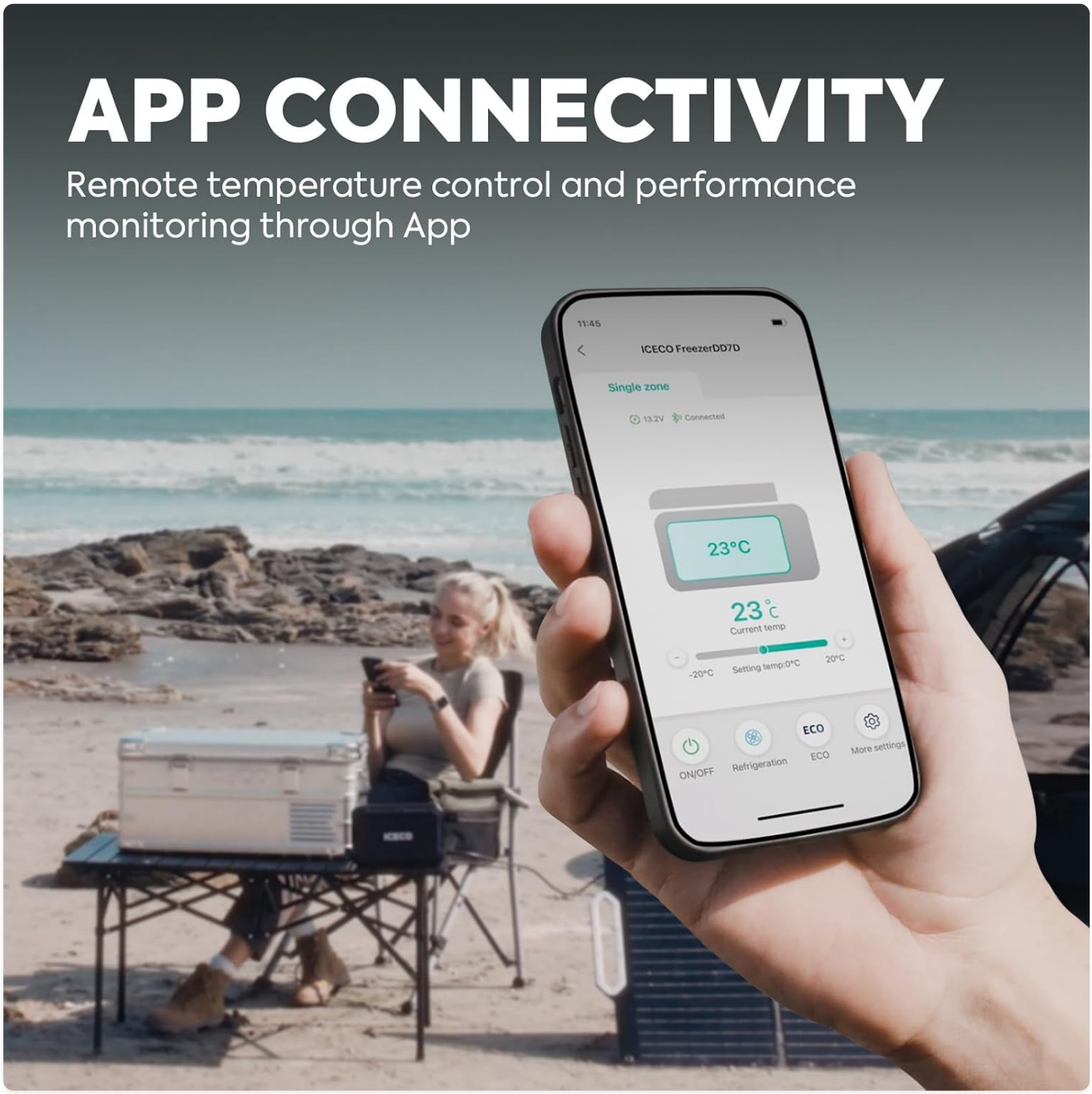


Figure 3: The ICECO app interface on a smartphone, showing remote temperature control and monitoring features.

Video 2: A demonstration of the ICECO APL20's Bluetooth control feature, showing how users can manage settings from their smartphone.

# 5. Operating Instructions

## 5.1 Temperature Control

The ICECO APL20 offers a wide temperature range from -4°F to 68°F (-20°C to 20°C). Use the control panel on the unit or the smartphone app to set your desired temperature.

## 5.2 Operating Modes

- **MAX Mode:** Provides rapid cooling for quick temperature reduction. Ideal for initial cooling or when you need items

chilled fast.

- **ECO Mode:** Optimizes energy consumption for extended use, especially beneficial when running on battery power. The noise level is ultra-low at under 30dB in this mode.

Figure 4: The ICECO APL20 operates with ultra-low noise, ensuring a quiet environment.

## 5.3 Battery Protection Settings

The unit features battery protection settings (High, Medium, Low) to prevent excessive discharge of your vehicle's battery. Adjust this setting based on your power source and usage needs.

## 5.4 Capacity and Storage

The 20-liter capacity of the APL20 can comfortably hold up to 32 standard 355ml cans. Its internal layout allows for organized storage of various items.

Figure 5: Internal dimensions and capacity examples for the ICECO APL20.

## 5.5 Soft-Close Lid

The lid is designed with a soft-close mechanism, allowing it to stay open at any angle without falling, preventing accidental closures or pinched fingers.

Figure 6: The soft-close lid feature ensures convenience and safety during use.

# 6. Maintenance

## 6.1 Cleaning

Regular cleaning will ensure optimal performance and longevity of your refrigerator.

- Wipe the interior and exterior surfaces with a damp cloth and mild detergent.
- Do not use abrasive cleaners or harsh chemicals.
- Ensure the unit is unplugged before cleaning.

## 6.2 Defrosting

The ICECO APL20 features manual defrost. If ice builds up on the interior walls:

- Turn off and unplug the unit.
- Allow the ice to melt naturally.
- Wipe away any melted water with a clean cloth.

## 7. Troubleshooting

If you encounter issues with your ICECO APL20, please refer to the following common problems and solutions:

- **Unit not powering on:** Check power connections (DC/AC), ensure the power source is active, and verify the battery protection setting is not too high for your current battery voltage.
- **Not cooling effectively:** Ensure vents are not blocked, the lid is properly sealed, and the temperature setting is appropriate for ambient conditions. MAX mode can be used for faster cooling.
- **Unusual noise:** Some noise from the compressor is normal. If the noise is excessive, ensure the unit is on a stable, flat surface and not vibrating against other objects.

For more detailed troubleshooting or persistent issues, please consult the full user manual or contact ICECO customer support.

## 8. Specifications

| Feature | Specification |
|---|---|
| Brand | ICECO |
| Model | APL20 |
| Capacity | 20 Liters (21 Quarts) |
| Cooling Range | -4°F to 68°F (-20°C to 20°C) |
| Compressor | SECOP Nano Compressor |
| Noise Level | ≤32dB |
| Power Input | 12/24V DC, 100-240V AC |
| Item Weight | 22.8 lbs |
| Product Dimensions | 14.9 x 25 x 11.6 inches |
| Material Type | Aluminum |

Figure 7: The SECOP Nano Compressor ensures efficient and reliable cooling performance.

## 9. Warranty & Support

ICECO stands behind the quality of its products:

- **Compressors:** 5 years of technical assistance.
- **Accessories:** 1 year of support.

For any technical assistance or support inquiries, please contact ICECO directly. Telephonic and local support options are available.

### Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

**Name**

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

**Submit question**