



USER'S GUIDE



PORTABLE, BATTERY POWERED **SOLAR COOLER**

Manual del usuario en Español / Manuel d'utilisation en Français / Bedienungsanleitung auf Deutsch / 用☒手册中文 / 日本語ユーザーズマニュアル
www.gosun.co/pages/product-manuals

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* Please read this manual carefully before using the product.

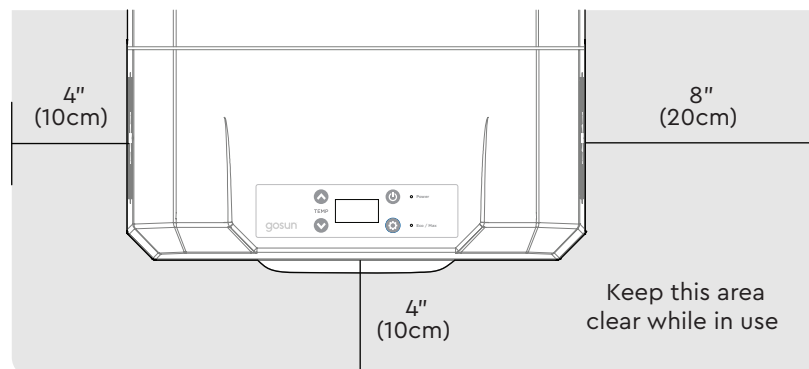
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1. Features:

- High efficiency brushless DC compressor.
- Closed cell foam insulation to minimize heat loss and increase durability.
- 12Vdc, 24Vdc or 120~240Vac operation.
- Runs off of a Power bank, car or any AC outlet.
- Compressor delay detection. Prevents the compressor from starting too soon after an interruption of power.
- 68° to -4° F (20° to -20° C) temperature setting range.
- 3 user selectable battery protection modes - for lithium battery, portable lead acid battery, or car mounted battery.
- Wheels designed for rough terrain
- Pouches for transporting Power bank and accessories
- Bungee cord tie-downs
- Telescoping handle
- Bottle opener

2. Safety Guidelines

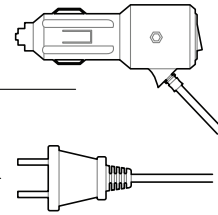
- Do not use if the electronics or provided battery are submerged in water. Dry out completely and test for functionality in a controlled environment if any part of the Chill's electronics or battery are submerged in water.
- Verify power source voltage and amperage before using. Change battery protection level as needed depending on power source.
- Do not place electronics in the Chill when in operation.
- Do not tilt past 45 degrees during transportation or 30 degrees during operation. If the Chill falls over or flips during transportation or operation, turn off immediately and allow to rest for at least 12hrs before turning back on. Liquid refrigerant may have gotten to the compressor, and you must allow it to evaporate before turning back on. The compressor is designed for evaporated refrigerant only, liquid refrigerant can cause immediate and permanent compressor damage.
- Do not operate the Chill next to a heat source (stove or heater), avoid operating the Chill in direct sunlight if possible.
- The cooler area of the Chill can hold water. To drain any water from the Chill, use the drainage plug in the bottom of the unit. **DO NOT POUR WATER OUT OF THE CHILL FROM THE LID**, this will potentially allow liquid refrigerant to reach the compressor and you will need to wait 12 hrs before using the chill again while you wait for the refrigerant to fully evaporate.
- We recommend you clean the Chill's interior before first use. Use a damp cloth with mild soapy water.
- Never use harsh cleaners with the GoSun Chill. Only use a damp cloth with mild soapy water. Do not use a hose to clean the outside of the Chill as water may get into the compressor and electronics section of the unit.
- Clean and dry the inside of the Chill after each use. If storing for more than 24hrs, we recommend you partially open the lid during storage.
- The GoSun Chill is not designed as a seat, do not stand or sit on the Chill.
- Ensure the Chill has proper ventilation to the compressor chamber. Leave space to the front, back, and side of the Chill as shown in the diagram below.
 - Front: 4" (10cm) ■ Back: 8" (20cm) ■ Side: 4" (10cm)



3. Function & Operation Settings

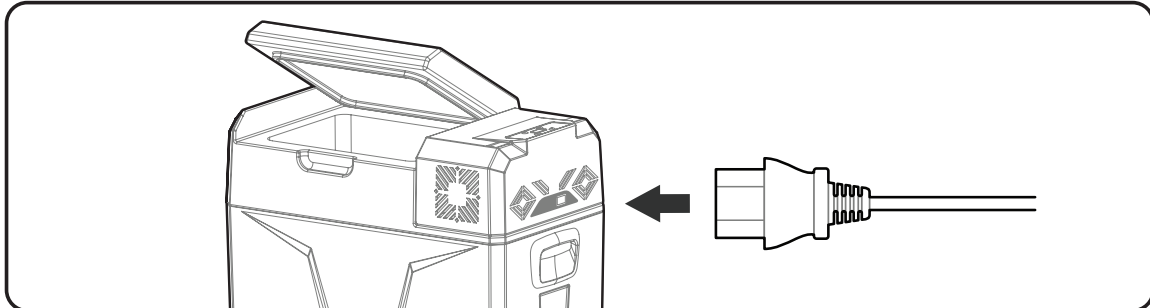
3.1 Power supply - Multiple Power Sources:

- Power bank - use DC adapter cord
- Car battery - use DC adapter cord
- Wall Outlet - use AC adapter cord



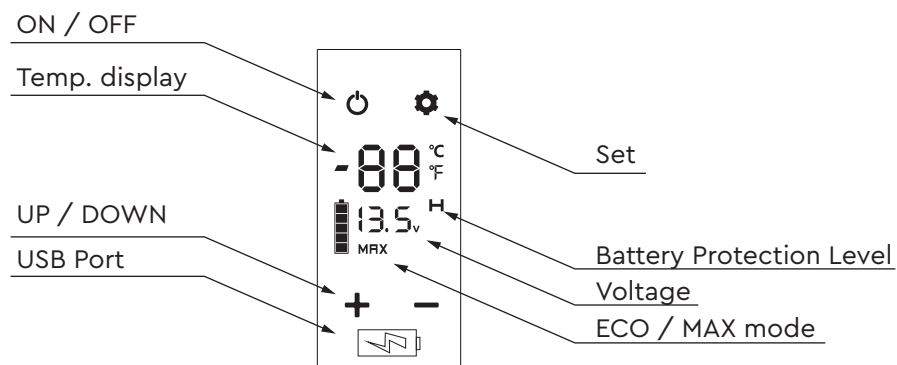
3.2 Power cable connection:

- Connect the end of the adapter cord shown into the Chill's cable port, located on the side of the Chill.



3.3 Operation Settings:

- ON / OFF: Plug in. Press the Power Button once to start the unit. Press the Power Button again to turn the unit off.
- Press the ^ UP or v DOWN buttons to adjust the target temperature. Press the ^ UP button to increase and the v DOWN button to decrease the temp.
- Press the Settings (gear) button to enter the economy running mode:
 1. ECO (Energy savings mode)
 2. MAX (Fast cooling mode) - factory default is MAX mode



3.4 Source Battery Protection Settings

- By default the GoSun Chill is set to protect the Included lithium battery-based Power bank. This setting will not protect a 12V lead acid battery in your car. Because of the differences in battery voltages, the GoSun Chill has three different battery protection settings to help ensure that you can always protect your power source from over-discharge. To change this

setting, when the Chill is powered on and running, hold the settings button until you see the display flash (H1, H2, or H3). Then use the up and down arrows to change the setting for the battery being used.

- **L: Protection for a standard 12V Lithium battery.**

Low voltage cutoff: 9.6Vdc (12V) or 21.3Vdc (24V)

Reconnect Voltage: 10.9Vdc (12V) or 22.7Vdc (24V)

- **M: Protection for a 12V lead acid battery when being used solely for portable power.** (when the battery is not required for other purposes like starting your car, allowing you to use more of it's capacity)

Low voltage cutoff: 10.1Vdc (12V) or 22.3Vdc (24V)

Reconnect Voltage: 11.4Vdc (12V) or 23.7Vdc (24V)

- **H: Protection for a 12V car battery**

Low voltage cutoff: 11.1Vdc (12V) or 24.3Vdc (24V)

Reconnect Voltage: 12.4Vdc (12V) or 25.7Vdc (24V)

3.5 Bottle Opener / Bungee Tie-Downs

- The bottle opener is on the back of the Chill, in-between storage pouches. There is a blue tie-down bar on the front of the Chill. To tie down objects, clip one end of each bungee cord to the tie down bar loops. Stretch the cords over top of the Chill, and clip the other ends into the metal loops on either side of the bottle opener.

4. Troubleshooting

The Chill is not cooling down

- Check the power cord connection.
- Check that your power source is fully charged
- Make sure the power button was pressed and the indicator states the Chill is running
- Check the Fuse in the DC power cord (if applicable)
- Check the fuse inside the compressor/electronics section.
- The compressor may be in delay start mode to protect the compressor, allow 5 min before continuing to troubleshoot.

Food inside is frozen

- Set the temperature above 34° F

The Chill makes a sound like water flowing or bubbling.

- This is normal, it is the refrigerant circulating within the unit.

The Chill makes a metallic sound when going over a bump or transporting the unit.

- This is normal, the compressor is suspended by springs within the sealed chamber and larger bumps can allow the compressor to touch the outer shell of the chamber.

5. Error Codes

- **F1 Code** - Low battery voltage. Your battery has been drained and needs to be recharged. Charge your power source and reconnect to the Chill. Ensure that the correct battery protection setting is used (see section 3.4).
- **F2 Code** - Fan overload. Turn off the Chill and let rest for 15-30 min. Restart the Chill. If the error persists, contact GoSun Support.
- **F3 Code** - Compressor protection activated. Turn off the Chill and let rest for 30 min. Restart the Chill. If the error persists, contact GoSun Support.
- **F5 Code** - Compressor controller module protection activated. Turn off the Chill and let rest for 30 min. Restart the Chill. If the error persists, contact GoSun Support.
- **F7/F8 Code** - Temperature sensor error. Turn off the Chill and let rest for 30 min. Restart the Chill. If the error persists, contact GoSun Support.

6. Function & Operation Settings – Advanced

To change the GoSun Chill's Advanced Settings, hold the setting button when the GoSun Chill is powered off, but still connected to power. E1 will flash on the screen, press the settings button to cycle through from E1 through E9. To change a setting press the up or down buttons.

Setting	Function	Setting Range	Default Setting
E1	Minimum Temperature Setting	-40 to Set E2	-20
E2	Maximum Temperature Setting	Set E1 to 40	20
E3	Hysteresis (deviation from set point before restarting)	1 to 10	3
E4	Soft Start Setting	0 to 10	0
E5	Fahrenheit or Celsius setting	F or C	F
E6	Temp sensor compensation >7C	-10 to 10	0
E7	Temp sensor compensation -7 to -12C	-10 to 10	0
E8	Temp sensor compensation <-12C	-10 to 10	0
E9	Factory only setting, do not change.	N/A	N/A

7. Defrosting

- After prolonged use, your GoSun Chill may start to accumulate frost on the inside. If the frost gets more than 1/2" (12.5mm) thick it is recommended to defrost the Chill to maximize energy efficiency. To defrost the Chill, remove any contents temporarily and place somewhere cool to minimize heat gain.
- Fast method: Turn off the Chill. Use a plastic tool such as a car ice scraper, and physically remove the frost from inside the Chill. Then wipe up and residual

water/ice with a towel. Turn the Chill back on and place any items you removed earlier back into the Chill.

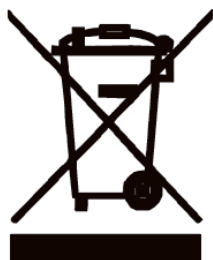
- DO NOT USE METAL TOOLS on the inside of the Chill as they can cause permanent damage to the inside walls and refrigerant lines.
- Slow method: Turn off the Chill and leave the lid open. Just wait for the ice to melt and remove the remaining water with a towel, or use the built in drain in the bottom of the Chill. Turn the Chill back on and place any items you removed earlier back into the Chill.
- DO NOT TRY TO POUR OUT THE MELTED ICE, the cooler should not be tilted past 30 degrees from flat, as this will allow liquid refrigerant to gain access to the compressor which can damage the Chill.

8. Technical Specification

MODEL	CHILL
CLIMATIC CATEGORY	T/ST/N/SN
PROTECTIVE CLASSIFICATION OF ELECTRIC SHOCK RESISTANCE	III
RATED VOLTAGE DC (V)	12/24V
DC FUSE (A)	15A
TOTAL INPUT POWER (W)	45W
RATED CURRENT FOR DC(A)	3.75A/1.875A
REFRIGERANT (g)	R 134a @38g
N.W (kg)	15 kg
SIZE (in)	23.5" x 16" x 19"
SIZE (cm)	59.7cm x 40.6cm x 48.3cm

9. Guidelines for protection of the environment

DISPOSAL: Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.



Meaning of crossed-out wheeled dustbin: Do not dispose of electrical appliances as unsorted municipal waste. Use separate collection facilities.

Contact your local government for information regarding the collection systems available.

If electrical appliances are disposed into landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

10. Packing List

Model	Portable Fridge	DC Power Cord	AC Power Adapter	User's Manual	Power bank	Bungee cords
Chill	1	1	1	1	1	2

11. Warranty

Warranty Policy

GoSun, Inc. extends this One-Year Limited Warranty to the original end-use purchaser of GoSun products* or the person receiving a Product as a gift, provided that the GoSun Stove Product was purchased from an Authorized Dealer as defined below. The Limited Warranty does not extend to any other person or transferee. Statutory or common law may provide additional rights or remedies that vary from state to state, and country to country, which are not affected by this Limited Warranty.

Definitions

“Authorized Dealer” means any distributor, reseller or retailer that was duly authorized by GoSun at the time of the sale to sell authentic GoSun products in the jurisdiction where it sold the Product, and that sold the Product in new, unused condition in its original packaging.







“Fraud or Misrepresentation” means misrepresenting any fact related to a warranty claim to GoSun, including the nature of the defect, whether the Product was purchased from an Authorized Dealer, and the authenticity of the Product. “Intended Use” means use of the Product (a) for food preparation, (b) for private (as opposed to commercial) purposes, (c) in conformity with all applicable local, state or federal law, code or regulations, (d) in accordance with GoSun recommendations and/or instructions in the materials and documentation that accompany the Product.

Scope of One-Year Limited Warranty

GoSun provides a One-Year Limited Warranty against Manufacturing Defects. If a Product contained a Manufacturing Defect when it was purchased from an Authorized Dealer, GoSun, at its sole discretion, will (i) repair, (ii) replace, or (iii) provide a Warranty Credit for the Product on the GoSun online store. The amount of the Warranty Credit shall be equal to the purchase price of the Product paid to the Authorized Dealer. GoSun reserves the right to inspect any Product subject to a warranty claim to determine, at its sole discretion, whether the claimed defect is a Manufacturing Defect or otherwise.

GOSUN DOES NOT ASSUME ANY LIABILITY FOR ANY INCIDENTAL, CONSEQUENTIAL OR INDIRECT DAMAGES UNDER THIS LIMITED WARRANTY.



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