



®

SUN STAR



KEEP IT COOL

INTRODUCTION

Thank you for your interest in SunStar products. This brochure will assist you in making the best choice selecting an appliance for your cabin, off-grid house, RV or home. If you have further questions please contact your local dealer or call SunStar support and we will be happy to assist you. Our company information can be found inside the back page of this brochure.

Frequently Asked Questions

How does a DC solar refrigerator work?

SunStar appliances operate on 12/24VDC and 115VAC with some models operating on both voltages. That means you can simultaneously connect both power cords. When operating on DC power always hook up your appliance directly to the battery pack. Never use the load port on a solar controller to feed your appliance. If your appliance is made for solar direct, you will be able to connect directly to a solar panel and eliminate the need for a battery storage. Always make sure you have a fuse or breaker in between your appliance and power source to protect the appliance in case of a power surge.

Can I lay my refrigerator on its side to transport?

Yes, SunStar units can be transported on their side. However always ensure the unit has been set upright for a minimum of 2 hours before operating. It is best to lay them on the side versus front or back.

Are replacement parts available?

Yes, replacement parts can either be obtained through your place of purchase or from SunStar directly.

Is there any warranty?

All SunStar models carry a 2-year performance warranty.

Basic DC Solar Setup

Please contact your local solar installer for specific installation instructions.



Solar Panel

IMPORTANT! Make sure you have a fuse or breaker between the battery pack and solar appliance.


Solar kit does not come with appliances and will need to be purchased separately.



Solar Charge Controller



Battery Storage



AC/DC Solar Appliance

Model ST-10 RF

This unit makes a very attractive unit for hunting cabins and small households. Very compact and easy to move with great space and shelving. Built In The USA.

FEATURES:

- AC / DC Dual input voltage
- Top: refrigerate; Bottom: freeze or refrigerate
- Reversible door
- Defrost: Top: automatic; Bottom: manual
- Precise temperature control in each compartment
- Interior fan for even cool down
- Fast cooling system
- Available in multiple colors
- Marine duty compressors
- Adjustable shelving
- Quiet run design



SPECS

Total Volume	278 liters / 9.8 Cu Ft - Top 6.6 / Bottom 3.2
Cooling System	Direct Cooling
Temperature Control	Mechanism
Rated Operating Voltage	12V10.6V - 17V / 24V21.3 - 31.5V; 115VAC
Fuse Rating (A)	30 / 15 Amp 12/24 VDC
Typical Power Draw	55 Watt 12/24V 4.3/2.2Amp
Refrigeration Agent	R600A
Inside Product Dimension (in) Top / Bottom	W 18 / H 30.3 / D 20.5; W 17.5 / H 17 / D 20.25
Outside Product Dimension (in)	W 23.5 / H 60 / D 26.25
Carton Box Dimension (in)	W 25.25 / H 60.75 / D 27.4
Weight Per Carton / Net Weight	165 lb. / 148 lb.
Performance Warranty	2 Year

Model ST-16 RF

Sun Star's largest refrigerator. You don't have to compromise on space when going with an energy efficient appliance with this model. This unit has no inside fins or evaporator which lets you fully utilize the inside space. Built In The USA.

FEATURES:

- AC / DC Dual input voltage
- Bottom: refrigerate; Top: freeze or refrigerate
- Reversible door
- Defrost: Top: manual; Bottom: automatic
- Precise temperature control in each compartment
- Interior fan for even cool down
- Fast cooling system
- Available in multiple colors
- Marine duty compressors
- Adjustable shelving



SPECS

Total Volume	454 Liters / 16 Cu Ft - Top 4.8 / Bottom 11.2
Cooling System	Direct Cooling
Temperature Control	Mechanism
Rated Operating Voltage	12V10.6 - 17V / 24V21.3 - 31.5V; 115VAC
Fuse Rating (A)	30 / 15 Amp 12/24 VDC
Typical Power Draw	60 Watt 12/24V 5/2.5 Amp
Refrigeration Agent	R600A
Inside Product Dimension (in) Top/ Bottom	W 23 / H 14.5 / D 24.75; W 23 H / 35.50 / D 24.75
Outside Product Dimension (in)	W 31 / H 68 / D 36
Carton Box Dimension (in)	W 32 / H 75 / D 36
Weight Per Carton / Net Weight	265 lb / 238 lb
Performance Warranty	2 Year

Model ST-15CF DC

A popular mid-sized freezer with super efficiency makes this unit perfect for your food storage needs.
Let the sun freeze your food! Built In The USA.

FEATURES:

Color: White
4.6-inch Wall Thickness
Double Lid Gasket
Interior Lid Light
Fan Cooled Condenser (Fast Cool Down)
Coated interior for easy cleaning
Two in one thermostat (refrigerate or freeze)
Portable: heavy duty casters w/ leveling legs in each corner



SPECS

Total Volume	425 Liters / 15 Cu Ft
Cooling System	Direct Cooling
Temperature Control	Mechanism
Rated Operating Voltage	12V9.6 - 17V / 24V21.3 - 31.5V
Fuse Rating (A)	30 / 15 Amp 12/24 VDC
Typical Power Draw	90 Watt / 12/24V 6/3 Amp
Refrigeration Agent	R134A
Inside Product Dimension (in)	W 54.25 / H 27.375 / D 19.5
Outside Product Dimension (in)	W 63.75 / H 37.75 / D 30.75
Carton Box Dimension (in)	W 67 / H 41 / D 32
Weight Per Carton / Net Weight	215 lb. / 190 lb.
Performance Warranty	2 Year

Model ST-21CF DC

Our largest freezer, ideal for large households. Stores large volumes of food while going easy on power consumption. Moves easily with heavy duty casters. Three baskets included to help organize your smaller items. Built In The USA.

Color: White
4.6-inch Wall Thickness
Double Lid Gasket
Interior Lid Light
Fan Cooled Condenser (Fast Cool Down)
Coated interior for easy cleaning
Two in one thermostat (refrigerate or freeze)
Portable: heavy duty casters w/ leveling legs in each corner



SPECS

Total Volume	595 liters / 16 Cu Ft
Cooling System	Direct Cooling
Temperature Control	Mechanism
Rated Operating Voltage	12V9.6 - 17V / 24V21.3 - 31.5V
Fuse Rating (A)	30 / 15 Amp 12/24 VDC
Typical Power Draw	105 Watt / 12/24V 8/4 Amp
Refrigeration Agent	R134A
Inside Product Dimension (in)	W 72.75 / H 27.375 / D 19.5
Outside Product Dimension (in)	W 82.25 / H 37.75 / D 30.75
Carton Box Dimension (in)	W 85 / H 41 / D 32
Weight Per Carton / Net Weight	270 lb. / 230 lb.
Performance Warranty	2 Year

Model ST-8CF DC

This unit makes a nice small chest freezer for cabins or small households..
Built In The USA.

FEATURES:

Color: White
4.3-inch Wall Thickness
Double Lid Gasket
Interior Lid Light
Fan Cooled Condenser (Fast Cool Down)
Coated interior for easy cleaning
Two in one thermostat (refrigerate or freeze)
Height adjustable glides



SPECS

Total Volume
Cooling System
Temperature Control
Rated Operating Voltage
Fuse Rating (A)
Typical Power Draw
Refrigeration Agent
Inside Product Dimension (in)
Outside Product Dimension (in)
Carton Box Dimension (in)
Weight Per Carton / Net Weight
Performance Warranty

227 Liters / 8 Cu Ft
Direct Cooling
Mechanism
12V9.6 - 17V / 24V21.3 - 31.5V
20 / 10 Amp 12/24 VDC
55 Watt / 12/24V 4/2 Amp
R134A
W 32.25 / H 26 / D 18.5
W 41.25 / H 36.25 / D 29
W 44 H 42 / D36
153 lb. / 130 lb.
2 Year

Model ST-15CF AC

A popular mid-sized freezer with super efficiency makes this unit perfect for your food storage needs.
Let the sun freeze your food! Built In The USA.

FEATURES:

- Color white
- 4.6-inch Wall Thickness
- Double Lid Gasket
- Interior Lid Light
- Fan Cooled Condenser (Fast Cool Down)
- Coated interior for easy cleaning
- Two in one thermostat (refrigerate or freeze)
- Portable: heavy duty casters w/ leveling legs in each corner



SPECS

Total Volume	425 liters / 15 Cu Ft
Cooling System	Direct Cooling
Temperature Control	Mechanism
Rated Operating Voltage	115V AC / 60 Hz
Fuse Rating (A)	15 Amp
Typical Power Draw	80 Watt / 115V 0.69 Amp
Refrigeration Agent	R134A
Inside Product Dimension (in)	W 54.25 / H 37.375 / D 19.5
Outside Product Dimension (in)	W 63.75 / H 37.75 / D 30.75
Carton Box Dimension (in)	W 67 / H 41 / D 32
Weight Per Carton / Net Weight	215 lb. / 190
Performance Warranty	2 year

Model ST-21CF AC

Our largest freezer, ideal for large households. Stores large volumes of food while going easy on power consumption. Moves easily with heavy duty casters. Three baskets included to help organize your smaller items. Built In The USA.

FEATURES:

Color: White

Interior Lid Light

Two in one Thermostat (refrigerate or freeze)

Fan Cooled Condenser (Fast Cool Down)

Portable: heavy duty casters w/leveling legs in each corner

4.6" Wall Thickness

Double Lid Gasket



SPECS

Total Volume	595 liters / 21 Cu Ft
Cooling System	Direct Cooling
Temperature Control	Mechanism
Rated Operating Voltage	115V AC / 60 Hz
Fuse Rating (A)	15 Amp
Typical Power Draw	95 Watt / 115V 0.82 Amp
Refrigeration Agent	R134A
Inside Product Dimension (in)	W 72.75 / H 27.375 / D 19.5
Outside Product Dimension (in)	W 82.25 / H 37.75 / D 30.75
Carton Box Dimension (in)	W 85 / H 41 / D 32
Weight Per Carton / Net Weight	270 lb. / 230 lb.
Performance Warranty	2 yr.



The Answer To Off-Grid Refrigeration

WHERE EFFICIENCY MATTERS!

Advantages for high efficiency solar appliances

- SunStar appliances consume approximately half to a third of the amount of energy of conventional appliances.
- Solar appliances keep operating during grid shutdowns.
- Food preservation in areas that grid power is unavailable or unreliable
- Save the environment by using renewable energy instead of fossil fuels.
- Cleaner and safer than propane appliances
- Very minimal operating cost after initial installation
- Environmentally friendly
- Operates directly off of battery voltage eliminating the need for an inverter.

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SPECIALIZING IN HIGH EFFICIENCY APPLIANCES



KEEPING IT COOL

On The ROAD

And

Off The GRID