



Chest Freezers

Providing constant, reliable & energy efficient cooling at great value



WHY

With industry experience since 2007, EcoSolarCool® is committed to bringing solar energy solutions to the consumer appliance market, with a range of solar refrigerators. Our products are used in homes, cabins, offices, boats, RVs and laboratories worldwide.

Energy efficiency in food storage and product accessibility is at the forefront of the EcoSolarCool® mission statement. We believe green energy products should be affordable and reliable. Our chest refrigerator/freezers range in size from 10.5 to 15.5 cubic feet (300L to 440L) and are available in white.

WHY SWITCH TO SOLAR REFRIGERATION?

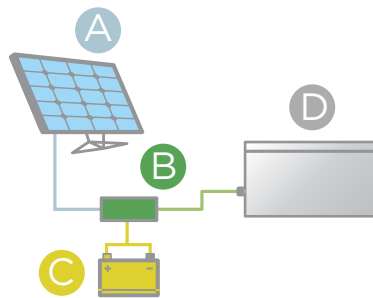
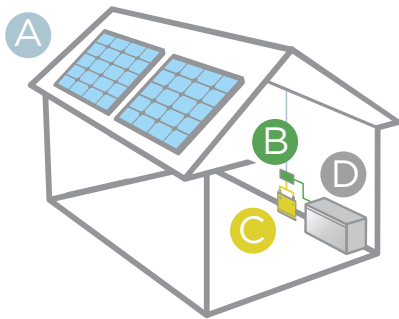
Most AC refrigerators and freezers are energy-guzzlers, making them the perfect target to switch to solar. Each EcoSolarCool® refrigeration system is in the highest A+++ energy efficiency class. With EcoSolarCool® products, you'll get several instant benefits:

- Savings - a solar refrigerator starts saving on household energy consumption instantly upon installation.
- Environment - reduced climate change effects on the environment and eliminating your reliance on non-renewable energy sources, like propane, oil and gas, reducing your carbon footprint.
- Access - provides reliable off-grid refrigeration in areas where traditional power sources are unreliable or unavailable.
- Maintenance - all EcoSolarCool® refrigerators are quick and easy to maintain.

EcoSolarCool's comprehensive service includes consultation and installation assistance for your solar refrigerator system. All our refrigerators can be operated at an input voltage of 12 or 24 DC volts and with a 2 year warranty*, we make your move to solar power as smooth as possible.

SGS CERTIFIED TO INTERNATIONAL STANDARDS
CE MARK EU DECLARATION OF CONFORMITY
DC COMPRESSORS

Switch



- A Solar Panel
- B Solar Charge Controller
- C VRLA Battery
- D EcoSolarCool Refrigerator

Circuit Diagram



Keeping food fresh can consume as much as ten percent of your household energy cost each year. EcoSolarCool® products are solar powered and lined with thick polyurethane insulation to maximize energy-efficiency. Since our products are powered from solar energy, they require no additional power sources to function. Other DC power sources can also be used to power our products on and off the grid.

True efficiency goes beyond solar power. That's why all EcoSolarCool® solar-powered refrigerators feature built-in energy-saving-mode components to ensure each unit doesn't guzzle more power than it needs. They also feature an automatic shut-off that ensures all products have a long service-life.

REASONS TO PURCHASE AN ECOSOLARCOOL® FREEZER:

Independence for your energy supply – EcoSolarCool® units can be powered off-grid from alternative energy sources and will save you money on your electricity bill.

Reliability – If power outages occur, your EcoSolarCool® product will keep food cold or frozen, saving on food waste. Our globally recognized brand has satisfied customers worldwide.

Governments worldwide regularly offer rebates at regional and federal levels for installing alternative energy sources. This can make for an inexpensive system upgrade.

Increased Property Valuation with Solar Energy – Even a simple solar system that incorporates any of our products can increase the value of your home.

SOLAR CHEST FREEZERS



ESCFR300DS

10.5 cubic feet (300 liter) of perfect storage for small to medium homes, pharmaceutical or farm storage, or as a standalone where space is limited on boats & RVs. This compact solar-powered unit features a temperature range that allows it to operate as either a freezer or refrigerator. The removable basket keeps smaller items within easy reach.

To operate, this unit requires a mono/poly solar panel, deep-cycle battery and a solar charge controller.

TECHNICAL DATA

DATA	ESCFR300DS	ESCFR440DS
System Voltage (V)	12/ 24	12/ 24
Type of Compressor	DC (Danfoss-Nidec)	DC (Danfoss-Nidec)
Total Capacity (L/ cu ft)	300/ 10.5	440/ 15.5
Input Voltage Range for 12v / 24v System (V)	10.4 - 16.8/ 21.3 - 31.5 DC	10.4 - 16.8/ 21.3 - 31.5 DC
Rated Power @ 12v/ 24v (W)	80	85
Rated Fuse Current @ 12v/ 24v (A)	15/ 7.5	15/ 7.5
Energy Consumption (Cooling/ Freezing) @ 25°C/77°F Ambient Temp. (kWh/ day)*	0.30/ 0.57	0.40/ 0.77
Cooling/ Freezing Temperature Range (°C/°F)	0°C/ 37.4°F - 10°C/ 50°F	0°C/ 37.4°F - 10°C/ 50°F
Insulation (mm/ inches)	110/ 4.5	110/ 4.5
Refrigerant	R134a	R134a
Product Dimension W*D*H (mm/ inches)	1,213 x 700 x 960/ 48 x 28 x 38	1,613 x 700 x 960/ 64 x 28 x 38
Product Weight (Kg/ Lb)	56/ 124	74/ 164
AC Power Compatibility	Adapter Available on Request	Adapter Available on Request

INSTALLATION & LOCAL JOB CREATION

All our products are easy to install by a technician and we also provide instructions. For large projects, we can provide on-site installation and training.

We believe in giving back to the communities we do business in, so our training of local technicians helps to create jobs in local communities.



ESCFR440DS

The 15.5 cu ft (440 liters) solar-powered chest refrigerator/freezers offer perfect storage for homes, pharmaceutical or farm storage, or as a standalone where space isn't limited on boats & RVs. These solar-powered units feature a single compartment with two lids, that can operate at refrigerator and/ or freezer temperatures. The removable basket keeps smaller items within easy reach.

These units require a solar panel, deep-cycle battery and a solar charge controller to operate.

MAINTENANCE & WARRANTY

Similar to most solar powered products, all our refrigerators require minimal maintenance and servicing. We provide parts for any replacements necessary.

Our confidence in all our products is demonstrated by our two year warranty.