



SunDanzer[®] Solar Refrigerated containers are designed and assembled in the US and shipped worldwide.



Solar Powered Refrigerated Container Systems

Under an R&D contract to the US military, SunDanzer[®] has developed a range of solar powered remote cooling technologies designed to maintain freezing temperatures even in the hottest ambient conditions. These highly efficient units use variable speed DC cooling technology, ultra insulated containers and operate on a fraction of the energy needed to run a typical refrigerated container.

These units are available with single or dual compartment/dual temperature. They operate as coolers, refrigerators, or freezers. There are also available with or without the solar power system and some models utilize thermal energy storage to reduce or eliminate the need for batteries.

SunDanzer[®] solar refrigerator and freezer models feature 4.67" (12 cm) of polyurethane insulation. The brushless DC motor compressor operates on 24 or 48VDC.

With thick insulation and a refrigeration system optimized for solar, SunDanzer[®] Solar Refrigerated Containers provide outstanding economical and reliable operation.

Features

- 24 or 48VDC Operation
- Thick polyurethane insulation
- Rear and side doors
- Interior light

Options

- PV/Battery Power system
- Automatic Diesel Generator
- Thermal Storage System (long life)
- PV Direct Operation, No Battery Required!

<u>Part No.</u>	<u>Description</u>	<u>Volume</u>	<u>Shipping Dimensions</u>	<u>Shipping Weight</u>	<u>MSRP*</u>
RCS-C20	20-ft Cooler	784 cf.ft. 22.2 cu.m.	8W x 20D x 8H ft 2.43W x 6.10D x 2.43H m	4150 kg 9,151 lbs	\$25,000
RCS-R20	20-ft Refrigerator	784 cf.ft. 22.2 cu.m.	8W x 20D x 8H ft 2.43W x 6.10D x 2.43H m	4150 kg 9,151 lbs	\$55,000
RCS-F20	20-ft Freezer	784 cf.ft. 22.2 cu.m.	8W x 20D x 8H ft 2.43W x 6.10D x 2.43H m	4150 kg 9,151 lbs	\$60,000
RCS-RF20	20-ft MultiTemp	784 cf.ft. 22.2 cu.m.	8W x 20D x 8H ft 2.43W x 6.10D x 2.43H m	4150 kg 9,151 lbs	\$62,500

* MSRP Includes Container and 48VDC Cooling System. Does not include power system or batteries

SunDanzer Headquarters

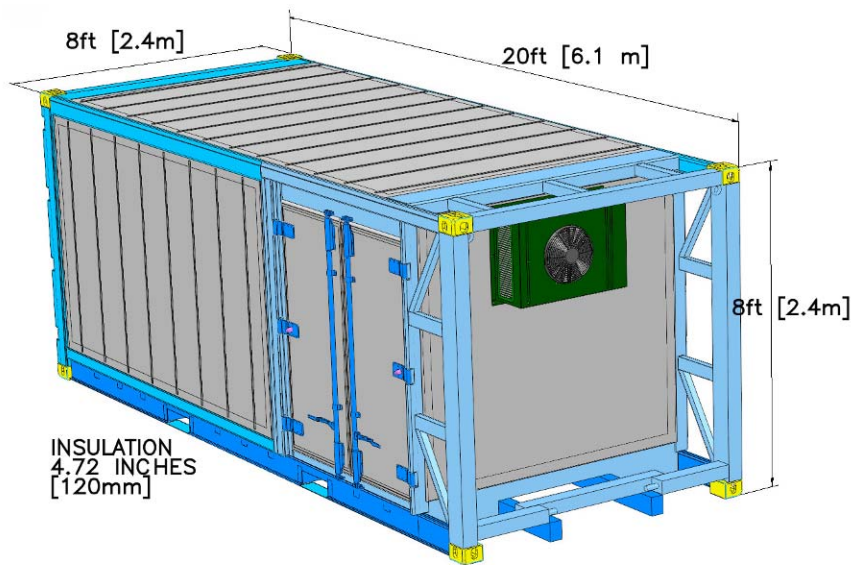
742 E 46th Street Tucson, Arizona 85713 Tel: (520) 882-9100 Fax: (520) 844-6313
web: www.sundanzer.com email: info@sundanzer.com

Energy Data is based on 6 sun-hr region and normal use. Contact SunDanzer for recommendations for your specific area and application.

Model	Avg Ambient Temp = 70°F			Avg Ambient Temp = 90°F		
	Energy, kWh/D	PV, watts	Battery, AH@48V	Energy, kWh/D	PV, watts	Battery, AH@48V
Cooler, 65°F(18°C)	0.7	165	96	3.4	858	501
Refrigerator, 38°F(3°C)	6.0	1509	880	11.8	2942	1716
Freezer, 0°F (-18°C)	28.9	7219	4211	44.6	11138	6497
Multi-Temp, 0/38°F	22.7	5672	3309	37.1	9281	5414

Following these recommendations will result in minimal back-up diesel generator operation. Using a smaller power system will result in more diesel generator operation.

Voltage Requirement	24 or 48 VDC	Battery	Flooded or Sealed
Refrigerant	R-134a or R-404a	Thermal Storage R	40-50°F
Polyurethane Insulation	4.72" (12 cm)	Thermal Storage F	5-15°F
Diesel Generator	3 or 10 kW		



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