

SunDanzer DC-Powered Refrigeration



DDR165 Direct-Drive Solar Refrigerator

Avoid battery and charge controller costs with SunDanzer direct-drive solar refrigerators. These high efficiency refrigerators are made for direct connection to your solar panel, eliminating the need for expensive deep-cycle batteries, charge controllers and battery maintenance. As a stand-alone application, the direct-drive solution can provide reliable refrigeration at greatly reduced cost for **non-perishable** goods. SunDanzer is proud to be the first to manufacture a battery-free solar refrigerator designed for the off-grid user. You can expect the same reliable exacting standards that have made SunDanzer the leading solar refrigerator manufacturer.

How it works: High quality construction provides excellent reliability and long life. Super-insulated chest-style cabinets feature over 4 inches of polyurethane insulation with powder-coated galvanized steel exterior and aluminum interior. A zero maintenance, brushless DC compressor with a built in soft start function operates on 12 VDC and connect directly to your solar PV system. A patented low-frost system reduces frost and moisture build-up for low maintenance of the unit.

Features:

- Runs on a single 120W module
- 12 VDC powered directly from panels
- Environmentally friendly CFC-free refrigerant
- Scratch resistant galvanized steel exterior
- Easy to clean aluminum interior
- Interior light for better visibility
- Patented low frost system
- Automatic temperature control
- Baskets for food organization

Physical and Electrical Specifications:

Input voltage	10-45 VDC
Panel voltage	12 V nominal
Power (typical – max)	40 – 80 W
Fuse size:	15 amp
Ambient T Range	50 to 109°F (10 to 43°C)
Thermostat Range	30 to 48°F (-1 to 9°C)
Exterior Dimensions	36.8W x 26.2D x 34.5H in 93.5W x 66.5D x 87.6H cm
Capacity	5.8 ft ³ (165 L)

Part No.	Description	Contents	MSRP
DDR165	Direct-Drive Refrigerator	1 direct-drive refrigerator	\$1199