

SunDancer

DC-Powered Refrigeration



HOUSEHOLD PRODUCTS 2026

Household Products



DC50



DC100



DC160



DC400



DCRF450

New For 2026 – Dual Thermostat



Specifications

- 1 x Refrigerator thermostat with minimum speed for maximum efficiency
- 1 x Freezer Thermostat with increased speed for more capacity
- Installed on DC50, DC100, DC160, DC400

Benefits

Independently controlled:

Thermostats and speeds are independently controlled. Allows for the freezer or refrigerator to run at two different speeds. Reduce speed for maximum efficiency or increase speed for more capacity. You decide.

Failure backup:

If one thermostat fails, then you can still use the other. Unlike wide range thermostat failures where the unit becomes useless without replacement.

Tight temperature control:

Wide range thermostats have a large differential when used as a refrigerator. The dual thermostat system keeps differentials tight, so that you have better control.

DC50 - AWARD WINNER

Highlights

- 2017 Global Leap award winner
- Dual Thermostat
- Ultra thick insulation
- Side handles for easy handling
- Premium DC compressor
- Lightweight
- Handle with lock
- 2-year limited warranty



Specifications:

| | |
|-----------------------------------|--------------------------|
| Internal Volume: | 50 liters |
| Exterior Dimensions: | 25.75 x 26.75 x 30.5in |
| Insulation Thickness: | 110mm (4.3in) |
| Refrigerant Type: | R-600a |
| Refrigerator Temp Range: | 9 to -1°C (48 to 30°F) |
| Freezer Temp Range: | -2 to -21°C (29 to -6°F) |
| Voltage Range: | 10-31VDC |
| Input Power: | 35-65 Watts |
| Fuse Size: | 12V:15A / 24V:7.5A |
| Refrigerator Energy use in 32°C: | 0.108kWh/d |
| Freezer Energy use in 32°C: | 0.270kWh/d |
| *Min System Refrigerator: | 80W PV, 15Ah Battery |
| *Min System Freezer: | 150W PV, 35Ah Battery |
| Defrost: | Manual |
| Units in a container (40' / 20'): | 114 / 54 |

*Minimum sizing based on 100% DOD of the battery. Sizing depends on use case and is purely a recommendation. Customers should do their own analysis, as their needs will be unique.

DC100 - SMALL BUT MIGHTY

Highlights

- Dual Thermostat
- Optimized insulation thickness
- Side handles for easy handling
- Premium DC compressor
- Lightweight
- Handle with lock
- 2-year limited warranty



Specifications:

| | |
|-----------------------------------|--------------------------|
| Internal Volume: | 100 liters |
| Exterior Dimensions: | 25.75 x 26.75 x 30.5in |
| Insulation Thickness: | 60mm (2.4in) |
| Refrigerant Type: | R-600a |
| Refrigerator Temp Range: | 9 to -1°C (48 to 30°F) |
| Freezer Temp Range: | -2 to -21°C (29 to -6°F) |
| Voltage Range: | 10-31VDC |
| Input Power: | 35-65 Watts |
| Fuse Size: | 12V:15A / 24V:7.5A |
| Refrigerator Energy use in 32°C: | 0.162kWh/d |
| Freezer Energy use in 32°C: | 0.405kWh/d |
| *Min System Refrigerator: | 110W PV, 35Ah Battery |
| *Min System Freezer: | 220W PV, 70Ah Battery |
| Defrost: | Manual |
| Units in a container (40' / 20'): | 114 / 54 |

*Minimum sizing based on 100% DOD of the battery. Sizing depends on use case and is purely a recommendation. Customers should do their own analysis, as their needs will be unique.

DC160- KING OF EFFICIENCY

Highlights

- Dual Thermostat
- 2017 Global Leap Award Winner
- Class leading efficiency
- 3 baskets for organization
- Side handles for easy handling
- Premium DC compressor
- LED refrigerator light
- Handle with lock
- 2-year limited warranty



Specifications:

| | |
|-----------------------------------|--------------------------|
| Internal Volume: | 160 liters |
| Exterior Dimensions: | 37 x 26.25 x 34.25in |
| Insulation Thickness: | 110mm (4.33in) |
| Refrigerant Type: | R-600a |
| Refrigerator Temp Range: | 9 to -1°C (48 to 30°F) |
| Freezer Temp Range: | -2 to -21°C (29 to -6°F) |
| Voltage Range: | 10-31VDC or 40-75VDC |
| Input Power: | 35-65 Watts |
| Fuse Size: | 12V:15A / 24V:7.5A |
| Refrigerator Energy use in 32°C: | 0.150kWh/d |
| Freezer Energy use in 32°C: | 0.430kWh/d |
| *Min System Refrigerator: | 100W PV, 26Ah Battery |
| *Min System Freezer: | 220W PV, 70Ah Battery |
| Defrost: | Manual |
| Units in a container (40' / 20'): | 72 / 36 |

*Minimum sizing based on 100% DOD of the battery. Sizing depends on use case and is purely a recommendation. Customers should do their own analysis, as their needs will be unique.

DC400 - BIGGER IS BETTER

Highlights

- Dual Thermostat
- Sliding glass top cover
- 5 baskets for organization
- Heavy-duty locking bottom wheels
- Side handles for handling
- Premium DC Compressor
- LED refrigerator light
- Handle with lock
- 2-year limited warranty



Specifications:

| | |
|-----------------------------------|--------------------------|
| Internal Volume: | 400 liters |
| Exterior Dimensions: | 63.5 x 28.75 x 34.25in |
| Insulation Thickness: | 80mm (3.15in) |
| Refrigerant Type: | R-290 |
| Refrigerator Temp Range: | 9 to -1°C (48 to 30°F) |
| Freezer Temp Range: | -2 to -21°C (29 to -6°F) |
| Voltage Range: | 10-31VDC or 40-75VDC |
| Input Power: | 60-110Watts |
| Fuse Size: | 12V:30A / 24V:15A |
| Refrigerator Energy use in 32°C: | 0.450kWh/d |
| Freezer Energy use in 32°C: | 0.800kWh/d |
| *Min System Refrigerator: | 225W PV, 70Ah Battery |
| *Min System Freezer: | 400W PV, 125Ah Battery |
| Defrost: | Manual |
| Units in a container (40' / 20'): | 48 / 24 |

*Minimum sizing based on 100% DOD of the battery. Sizing depends on use case and is purely a recommendation. Customers should do their own analysis, as their needs will be unique.

DCRF450- DUAL COMPRESSOR

Highlights

- Independently temperature controlled refrigerator and freezer section
- 50% thicker insulation than standard
- Double gasket freezer door
- LED refrigerator light
- Three adjustable shelves
- One Lower Basket
- Doors hinges can be left or right handed
- 2-year limited warranty



Specifications:

| | |
|-----------------------------------|---------------------------|
| Internal Volume Refrigerator: | 283 liters |
| Internal Volume Freezer | 142 liters |
| Exterior Dimensions: | 30.75 x 28.5 x 74.75 |
| Insulation Thickness: | Variable |
| Refrigerant Type: | R-600a |
| Refrigerator Temp Range: | 7 to 0°C (44 to 32°F) |
| Freezer Temp Range: | -10 to -22°C (14 to -8°F) |
| Voltage Range: | 10-31VDC or 40-75VDC |
| Input Power: | 60-110Watts |
| Fuse Size: | 12V:30A / 24V:15A |
| Energy use in 32°C: | 0.99 kWh/d |
| *Min System Size: | 445W PV, 140Ah |
| Defrost: | Manual |
| Units in a container (40' / 20'): | 42 / 20 |

*Minimum sizing based on 100% DOD of the battery. Sizing depends on use case and is purely a recommendation. Customers should do their own analysis, as their needs will be unique.

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