

Product Data Sheet

MAX BURTON® PORTABLE FRIDGE/FREEZER

No. **66984** - 02/16

PRODUCT NUMBER: 6984 - 30 QT.
6987 - 37 QT.
6988 - 42 QT.
6989 - 53 QT.



I. GENERAL DESCRIPTION

Features: Portable refrigeration and freezing in a rugged outer body cooler style unit. Four capacities are available and all operate from any 12V/24V DC power supply, such as a vehicle 12V or 24V power receptacle, Sierra Wave® portable power center, or Sierra Wave® 80-Watt or 120-Watt Solar Collector. It may also be used with a 120V AC electrical outlet when paired with the included DC to AC converter.

The unit is cooled with a low-wattage, high-efficiency DC compressor, R134A refrigerant, and is insulated with 2" thick PU thermal insulation foam. Temperature can be set from -7°F to 53°F (-22°C to 10°C).

The inside of the cooler has two compartments. One for freezing and the other for refrigeration. The larger models have a divided freezer section. The lid can be opened from either side or removed completely. Other features include heavy-duty, steel reinforced handles; removable inner freezer storage basket; built-in interior light; and three power supply saving, low-voltage protections.

Includes: 12V/24V power cord and DC to AC power converter.

Benefits: Keep food, beverages, medicine and any other item frozen or refrigerated at the temperature you set. Unlike normal ice chests, these units do not require ice and can reach a much lower temperature. With the

multiple power supply options available, these units can be taken anywhere you go. Incredibly, because of the low wattage compressor, even a solar panel creates enough power to freeze foods. The battery monitor will protect the power supply coming from your vehicle battery or other power center by automatically shutting down the compressor if the voltage becomes too low or falls below the preset level.

Uses: Travel, recreation, off-grid locations, work sites, and power outages. Trucks, autos, boats, RVs, home, or office. Integrates easily with the Sierra Wave portable power centers and solar collectors for all remote applications. Additionally, with the DC to AC converter it can be used indoors with standard 120V AC electrical power. NOTE: ideal for use where anti-idling laws apply.

Warnings: Read and understand the instructions before operating. Never operate if the unit or cord is damaged or if refrigerant gas is leaking. Do not block ventilation openings. Not intended for use when temperatures are above 90°F or below 32°F.

Accessories

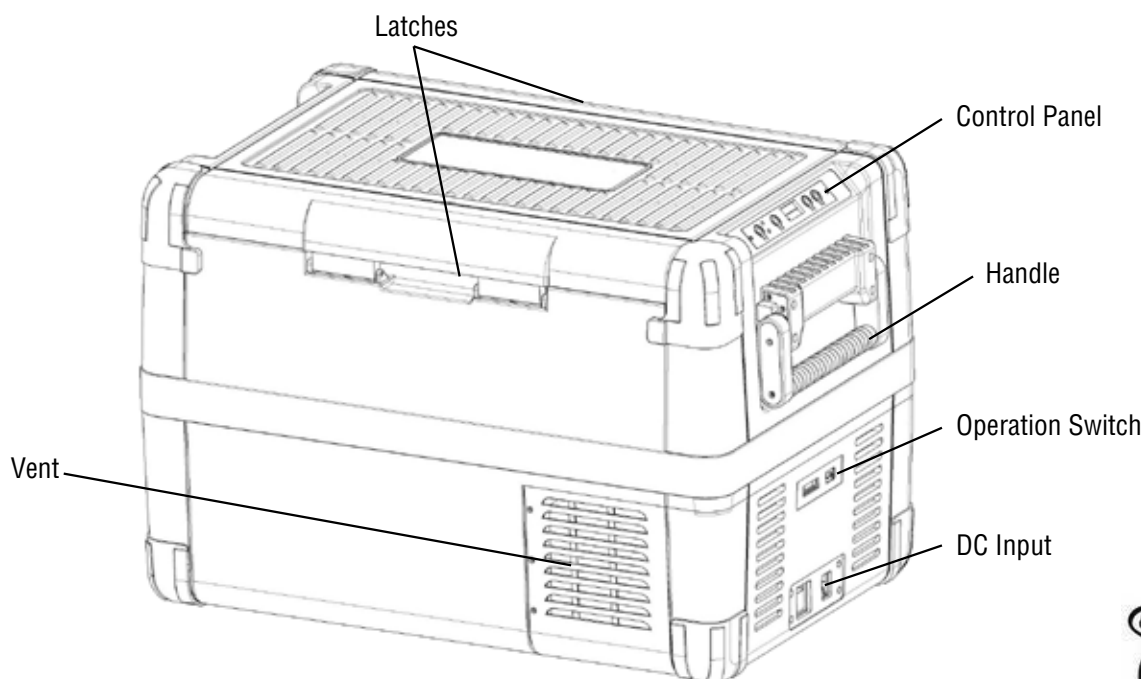
#9580 80-Watt Solar Collector
#9590 120-Watt Solar Collector
#9695 PowerPro 200
#9675 1000-Watt Energy Center
#9690 1500-Watt Incremental Energy Center

Packaging: Each box (1/case):

#6984	33.5 lbs. (15.2 kg)	4.3 CF (0.12 CM)	24.6" x 17.12" x 17.5"
#6987	35.5 lbs. (16.1 kg)	4.7 CF (0.13 CM)	24.6" x 17.12" x 19.1"
#6988	50 lbs. (22.7 kg)	6.0 CF (0.17 CM)	28.5" x 19.3" x 18.9"
#6989	52.5 lbs. (23.8 kg)	6.4 CF (0.18 CM)	28.5" x 19.3" x 20.1"



II. DIAGRAM



III. SPECIFICATIONS

	#6984	#6987	#6988	#6989
Capacity	30 qt./28L	37 qt./35L	42 qt./40L	53 qt./50L
Dimension	21.9" x 14.7" x 14.5" (557x374x367 mm)	21.9" x 14.7" x 16" (557x374x407 mm)	28" x 17.7" x 16.7" (714x449x426 mm)	28" x 17.7" x 18.5" (714x449x469 mm)
Weight	28.5 lbs. (13 kg)	31 lbs. (14 kg)	44.5 lbs. (20.2 kg)	47.5 lbs. (21.5 kg)
Max. Power (est)	12VDC/3.2A/38.4W 24VDC/1.6A/38.4W	12VDC/3.8A/45.6W 24VDC/1.9A/45.6W	12VDC/4.2A/50.4W 24VDC/2.2A/52.8W	12VDC/4.2A/50.4W 24VDC/2.2A/52.8W
DC Input	12/24V DC			
	Input: 12/24V DC 6A Output: 12/24V DC 6A Cord length: 6 ft. Protection fuse: 250V DC 5A, 5 x 20 mm glass fuse			
DC to AC Converter	Input: 100-240V AC Output: 12V/5A			
LED Display	Displays the temperature: -7°F to 53°F (-22°C to 10°C)			
Optimum Ambient Temperature	60°F - 109°F (16°C to 43°C) If the ambient temperature is above 90°F (32°C) the minimum temperature might not be attained.			
LED Indicator	Green = compressor is on. Orange = compressor is off. Flashing Red = low voltage. Red = error.			
Cooling Unit	Low wattage, high efficiency DC compressor. R134A refrigerant.			
Insulation	CFC-free PU foam, 45mm average thickness			
Lid	Can be opened from either direction or removed completely.			
Handles	Spring-loaded rubber wrapped steel handles.			
Battery Monitor	1). Switches off when vehicle battery becomes too low. 2). Switches off automatically if plugged into a 12V DC vehicle battery and the battery level becomes too low when the engine is turned off. 3). Auto power shut-off when battery voltage falls below a preset level.			

EXAMPLES OF OPERATING TIMES USING SIERRA WAVE POWER CENTERS AND BASED ON THE COMPRESSOR IN CONTINUOUS OPERATION DURING THE COOLING CYCLE. LONGER TIMES ARE OBTAINED AFTER SET TEMPERATURE IS ACHIEVED AND THE COMPRESSOR ISN'T RUNNING. Run times are indefinite when continuous power is supplied with a solar collector, 12V/24V DC, and 120V AC power. Times listed are approximate and based on a fully charged power center with a preset temperature of 10F and ambient temperature of 70F.

#9695 PowerPro 200	6+ hours
#9675 1000W Energy Center	30+ hours
#9690 1500W Center (500W capacity)	15+ hours
#9690 + #9691 Battery (1000W capacity)	30+ hours
#9690 + 2 #9691 Batteries (1500W capacity)	45+ hours

IV. WARRANTY

1-year warranty to the original registered owner on all products from date of purchase. User returns, exchanges and defective refunds must be made with the original place of purchase. Because Aervoe cannot control Buyer's handling or use of product, Aervoe makes no warranty expressed or implied when not used or stored in accordance with directions. Aervoe shall not be liable for cost of labor, incidental or consequential damages, and this warranty is limited to replacement or repair of product or credit of purchase.

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