

Aldelano Solar ColdBox™ Specifications & Features

Models:

Sub-Zero Freezer (40ft, 20ft, 10ft options)

-10 degrees to +40 degrees Fahrenheit (-23.3 to +4.4 Celsius)

Refrigerator (40ft, 20ft, 10ft options)

0 degrees to +55 degrees Fahrenheit (-17.8 to +12.8 Celsius)

Side-by-Side Refrigerator/Freezer (40ft option)

Freezer compartment and Refrigerator compartment in the same unit

BackPack™ – Solar-powered refrigeration equipment paired to your existing insulated container or cold room

Sub-Zero Freezer and Refrigerator options

Specifications:

- 40 foot Solar ColdBox
 - Outside dimensions: 40.0ft x 8.0ft x 9.5ft (12.2m x 2.4m x 2.9m)
 - Inside dimensions: 32.5ft x 6.8ft x 8.0ft (9.9m x 2.1m x 2.4m)
 - Weight: 16,700 lbs (7,575 kg)
- 20 foot Solar ColdBox
 - Outside dimensions: 20.0ft x 8.0ft x 8.5ft (6.1m x 2.4m x 2.6m)
 - Inside dimensions: 13.8ft x 6.8ft x 7.3ft (4.2m x 2.1m x 2.2m)
 - Weight: 11,700 lbs (5,307 kg)
- 10 foot Solar ColdBox
 - Outside dimensions: 20.0ft x 8.0ft x 8.5ft (6.1m x 2.4m x 2.6m)
 - Inside dimensions: 10.0ft x 6.8ft x 7.3ft (3.1m x 2.1m x 2.2m)
 - Weight: 9,000 lbs (4,082 kg)
- 40 foot Side-by-Side Solar ColdBox
 - Outside dimensions: 40.0ft x 8.0ft x 9.5ft (12.2m x 2.4m x 2.9m)
 - Freezer compartment inside dimensions: 11.0ft x 6.8ft x 8.0ft (3.4m x 2.1m x 2.4m)
 - Refrigerator compartment inside dimensions: 21.5ft x 6.8ft x 8.0ft (6.5m x 2.1m x 2.4m)
 - Weight: 16,700 lbs (7,575 kg)
- Backpack
 - 5.8ft x 7.5ft x 7.5ft (1.8m x 2.3m x 2.3m)
 - Weight: 5,300 lbs (2,404 kg)



**Dimensions are approximate and do not include solar panels or optional add-ons.

Power Supply:

Off-grid/Solar Powered with Battery Storage and optional Backup Generator (gasoline and diesel options available)

- Power supply designed for 24 hr use through solar and battery storage - every unit customized to the amount of sunlight in the region
- In the event there is not enough solar energy, the **Aldelano SmartLogic System™** automatically switches to an alternative energy source (generator or grid power) when batteries reach pre-set discharge levels and automatically reverts when batteries are fully charged
- Maintenance-free AGM batteries suitable for deep cycle applications
- Up to 15-hour available battery
- The optional **Aldelano SmartStart Generator™** simultaneously runs the equipment and charges the batteries - reducing the need for the generator
- Option to grid-tie if desired
- Energy efficient (240-volt, single phase)
- 50 hz and 60 hz models available

Features:

- **Aldelano SmartControl™** - Remote Control & Monitoring from your phone or computer
- On-board displays and optional alarms for temperature monitoring
- Can be used as an independent power supply for both 110v and 220v items
- Special weather-proof coating seals against rust and reflects UV rays keeping the box cooler and running more efficiently
- Ships as a fully assembled unit, just set up and connect solar panels
- Complete unit handles and transports as a standard shipping container
- Built in air filters protect components from the elements including sand and dust
- Easy to set up
- Easy to operate
- Robust, durable and long lasting
- Quality made in the USA

Options:

Customized Aldelano SmartStart Generator™

- Gasoline and diesel options available
- Comes with 15-gallon (57L) fuel tank or upgrade to 55 (208L) gallon tank

