



Cold Chain Price List

Cold Chain Complete System Price List for Models RR-2, RR-1, and RR-50L

PHOTOVOLTAIC PANELS:

- **System A:** 300 pw. 4 qty, Siemens Model SP75 modules
- **System B:** 225 pw. 3 qty, Siemens Model SP75 modules
- **System C:** 150 pw. 2 qty, Siemens Model SP75 modules

BATTERY SYSTEM:

Industrial Battery Engineering Model 3-75N-9. Rating is 389 amp hour at 20 hour discharge rate. Supplied with gas recombinant caps for 6 month watering intervals. Batteries will average a 10-year life. Batteries are enclosed within a lockable and vented steel case for protection. Batteries are very resistance to damage during transportation to remote sites. To facilitate hand carry the battery bank is divided into two 6-Volt batteries weighing approx. 180 lbs. each. Batteries meet WHO specifications.

FOR QUANTITIES OVER 2 SYSTEMS CONSULT FACTORY.

<u>MODEL RR-2</u>	System A:	System B:
PHOTOVOLTAIC PANELS:	300 pw. 4 qty Siemens Model SP75 modules	225 pw. 3 qty Siemens Model SP75 modules
OVERALL VOLUME:	Approx. 4 Cubic Meters	Approx. 3.5 Cubic Meters
OVERALL WEIGHT:	Approx. 370 Kgs.	Approx. 290 Kgs.
SOLAR INSOLATION AT SITE	3.4 - 4.7 kWh/m ² /day	5.8 - 7.0 kWh/m ² /day
DAYS NO SUN SECURITY	8	5
PRICES OF COMPLETE SYSTEMS IN US\$ FOB Los Angeles.	\$5,856 Optional wood crate: \$275/Unit	\$5,256 Optional wood crate: \$275/Unit
COMMENTS: Model RR-2 uses two independent refrigeration circuits (two compressors) for increased reliability and ice production. Removable divider allows user to adjust the compartment sizes of the freezer against the refrigerator.		

ARRAY CABLE:

20 meters is standard length, direct burial-type cable. 6 Awg cable allows for a minimum voltage drop of only 2 to 5% depending on distance between refrigerator and Array structure.

NUMBER OF SHIPPING PACKAGES: 6 hand carryable pkgs.

ALL SYSTEMS (RR-1, RR-2, RR-50L) INCLUDE:

Temperature indicator, locking cabinet lid, Removable freezer/refrigerator divider for RR-1 and RR-2, non-removable divider for RR-50L.



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CHARGE CONTROLLER:

Red light to signal load disconnect (do not open refrigerator). Green light to signal fully charged battery and power diversion (or increase ice production). Yellow light to signal stop ice production or possible low voltage disconnection. Average 20-year life. Lightning protection included. Fully automatic, no manual resets are required. Temperature compensation to maximize battery life.

PAYMENT TERMS:

Confirmed Letter of Credit, irrevocable, payable at sight, all charges for the account of the buyer. On smaller orders, cashier's check or bank draft preferred, whenever possible. Deposits with order will expedite delivery.

LIMITED WARRANTY:

Defects in workmanship and materials. Two years on Danfoss compressor and motor controller, 5 years on refrigerator and controls, 10 years on PV array, 5 years prorated on the battery.

WORLD HEALTH ORGANIZATION:

Specifications describe the following performance (ice production requirements are an added factor):

MODEL RR-1	System A:	System B:
PHOTOVOLTAIC PANELS	300 pw. 4 qty Siemens Model SP75 modules	225 pw. 3 qty Siemens Model SP75 modules
OVERALL VOLUME	Approx. 4 Cubic Meters	Approx. 3.5 Cubic Meters
OVERALL WEIGHT	Approx. 370 Kgs.	Approx. 290 Kgs.
SOLAR INSOLATION AT SITE	3.4 - 4.7 kWh/m ² /day	5.8 - 7.0 kWh/m ² /day
DAYS NO SUN SECURITY	8	5
PRICES OF COMPLETE SYSTEMS IN US\$ FOB Los Angeles.	\$5,250 Optional wood crate: \$275/Unit	\$4,705 Optional wood crate: \$275/Unit
COMMENTS: Model RR-1 has a single refrigeration system (single compressor) for lower cost. Removable divider allows the user to adjust the compartment sizes of the freezer against the refrigerator.		

MODEL RR-50L	System B:	System C:
PHOTOVOLTAIC PANELS:	225 pw. 3 qty Siemens Model SP75 modules	150 pw. 2 qty Siemens Model SP75 modules
OVERALL VOLUME:	Approx. 3 Cubic Meters	Approx. 3 Cubic Meters
OVERALL WEIGHT:	Approx. 250 Kgs.	Approx. 250 Kgs.
SOLAR INSOLATION AT SITE	3.4 - 4.7 kWh/m ² /day	5.8 - 7.0 kWh/m ² /day
DAYS NO SUN SECURITY	8	5
PRICES OF COMPLETE SYSTEMS IN US\$ FOB Los Angeles.	\$4,655 Optional wood crate: \$275/Unit	\$4,245 Optional wood crate: \$275/Unit
COMMENTS: The RR-50L can be ordered as a 100% refrigerator or 100% freezer		

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