

DC power for off-grid areas



CONERGY

DC refrigeration for your home



Innovative technology - wherever you need it



For off-grid power systems, it is vital to have reliable and efficient equipment that will last for years. There exist relatively few products which can claim with confidence that they are the very best available in the market. The range of domestic refrigerators and freezers available at Conergy can make such a claim.

Conergy's vision is to supply only the best quality equipment and consistent with this vision, we are happy to offer an exciting range of DC refrigeration. Conergy offers the complete range of systems and components for every renewable energy need worldwide. This is the guarantee that you are buying the latest technology for your off-grid home.



The refrigerators and freezers feature the unique multi-stage air-cooled condensing systems which keep them operating at much lower temperature than the competitors' – even under very high ambient temperatures.

The conversions also offer a “soft start” compressor, meaning even on start-up these fridges will not put undue strain on your system. All models are available with an optional 240 Volt AC power supply for operation from mains power.

All our DC refrigerator and freezer cabinets are fitted with diagnostic LED's to provide the user with an indication of the origin of an operating fault. This LED is fitted inside the refrigerator cabinet in all “frost free” models and fitted externally for all other models.

All models can be supplied with a 48 V DC to 24 V DC 200 W converter to allow operation from 48 V DC battery supply. An additional cost applies for the 48 V DC converter.



Easycare frost-free models

High efficiency low power consumption

AF-N360J frost free

RJ202T

N280J

N300J

N330J



Some of our models include:

- | Easycare frost free
- | Multi-position shelves
- | Convenient dairy bar
- | Adjustable door shelves
- | "Clean back" internal condenser system

- | Separate temperature control for fridge and freezer
- | Full width crisper bin
- | Full width door bins
- | Rollers or levelling feet: adjustable front levelling legs and rear rollers
- | Full width freezer door bins
- | Deli compartment
- | Egg tray
- | Ice cube tray and ice storage bin
- | Left or right door opening

- | Frost-free
- | Multi-flow air delivery system
- | Separate temperature controls for fridge and freezer
- | Anti+bac™ interior
- | Deodoriser
- | Adjustable spill safe glass shelves

- | Repositional deli compartment
- | 2 deli compartment temperature controls
- | Full-width crisper
- | Humidity controlled crisper
- | 2 half-width dairy compartment with lid/cover



Technical data DC refrigeration products fridge/freezer cabinets – front opening *

Brand	Fisher & Paykel	Westinghouse	Fisher & Paykel
Model	AF-P120 & AF-P120S	RJ202T	AF-E249T & AF-E249TS
Power	DC	DC	DC
Voltages	12 V/24 V DC	12 V/24 V DC	12 V/24 V DC
Capacity	115 litre fridge 6 litre freezer	143 litre fridge 59 litre freezer	191 litre fridge 57 litre freezer
Exterior	Corrosion proof	Corrosion proof	Corrosion proof
Cabinet	P120: Pre-painted steel P120S: Stainless steel	Pre-painted steel E249TS: Stainless steel	E249T: Pre-painted steel
Defrost	Cyclic Manual	Frost free	Frost free
Insulation	Polyurethane	Polyurethane	Polyurethane
Power	Temp.: 28 °C–35 °C	Temp.: 28 °C–35 °C	Temp.: 28 °C–35 °C
Usage	500 Wh/day	600 Wh/day	850 Wh/day
Height inc feet	819 mm	1,480 mm	1,595 mm
Width	525 mm	524 mm	525 mm
Depth	550 mm	595 mm	570 mm
Depth – door open	1,038 mm		1,042 mm
Mechanical	Danfoss BD35F	Danfoss BD35F	Danfoss BD50F
Interior Light	•	•	•
Warranty	24 months	24 months	24 months

* These models are available in white only exterior finish

Stainless steel models

N360J

N390J

N390SJ

AF-P120/AF-P120S



- | 2 half-width bins
- | Bottle bin with twist holder
- | Full-width can bin
- | Egg tray
- | Wire shelving in freezer
- | Ice cube storage bin
- | Ice tray

- | Freezer door bin
- | Food freezing guide
- | Adjustable front and rear rollers
- | Left or Right door opening

- | Frost free
- | Wide door shelves (fit 2 litres bottles)
- | Wine rack
- | Freezer door bins
- | Humidity controlled crispser
- | Repositional deli compartment
- | Mark resistant stainless steel
- | Bottle bin with twist holder

- | Mark resistant stainless steel surface
- | "Clean back" internal condenser system
- | Push button Defrost
- | Power consumption: 400WH/day @ 35°C



Kelvinator	Kelvinator	Kelvinator	Kelvinator	Kelvinator
N280J	N300J	N330J	N360J	N390J
DC	DC	DC	DC	DC
12 V/24 V DC	12 V/24 V DC	12 V/24 V DC	12 V/24 V DC	12 V/24 V DC
210 litre fridge	227 litre fridge	253 litre fridge	277 litre fridge	302 litre fridge
75 litre freezer	75 litre freezer	75 litre freezer	91 litre freezer	91 litre freezer
Corrosion proof	Corrosion proof	Corrosion proof	Corrosion proof	Corrosion proof
Pre-painted steel	Pre-painted steel	Pre-painted steel	Pre-painted steel	Pre-painted steel Stainless steel
Frost free	Frost free	Frost free	Frost free	Frost free
Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane
Temp.: 28 °C–35 °C	Temp.: 28 °C–35 °C	Temp.: 28 °C–35 °C	Temp.: 28 °C–35 °C	Temp.: 28 °C–35 °C
900 Wh/day	950 Wh/day	1,000 Wh/day	1,100 Wh/day	1,200 Wh/day
1,550 mm	1,620 mm	1,720 mm	1,640 mm	1,720 mm
595 mm	595 mm	595 mm	690 mm	690 mm
681 mm	681 mm	681 mm	681 mm	681 mm
Danfoss BD50F	Danfoss BD50F	Danfoss BD50F	Danfoss BD50F	Danfoss BD50F
•	•	•	-	•
24 months	24 months	24 months	24 months	24 months

Technical data DC refrigerator pigeon pair cabinets - front opening

Brand	Kelvinator
Model	AF-FN300J
Power	DC
Voltages	24 V DC
Capacity	300 litre fridge Freezer only
Exterior	Corrosion proof
Cabinet	Pre-painted steel
Defrost	Frost free
Insulation	Polyurethane
Power	Temp.: 28 °C–35 °C
Usage	1,150Wh/day
Height inc feet	1,720 mm
Width	607 mm
Depth	626 mm
Depth – door open	1,064 mm
No. of baskets	4
Mechanical	Danfoss BD80F
Interior Light	•
Warranty	24 months

Pigeon pair refrigerator and freezer

FR181T

RP241T



- | Ice cube tray
- | Ice cube storage bin
- | 6 Plastic freezer Baskets
- | 4 Wire shelves
- | Full width crisper
- | 4 Full width door bins
- | Full width dairy bin
- | Egg tray

Both models include:

- | Adjustable front levelling leg
- | Thermostat & external rotary control
- | Door hinging is reversible on both cabinets
- | Available in white only

ration products

Kelvinator	Westinghouse	Westinghouse
AF-CS370J	FR181T	RP241T
DC	DC	DC
24 V DC	24 V DC	12 V/24 V DC
370 litre refrigerator	180 litre freezer	241 litre refrigerator
Corrosion proof	Corrosion proof	Corrosion proof
Pre-painted steel	Pre-painted steel	Pre-painted steel
Frost free	Manual	Manual
Polyurethane	Polyurethane	Polyurethane
Temp.: 28 °C–35 °C	Temp.: 28 °C–35 °C	Temp.: 28 °C–35 °C
1,000 Wh/day	900 Wh/day	880 Wh/day
1,720 mm	1,443,5 mm	1,443,5 mm
607 mm	545 mm	545 mm
590 mm	570 mm	570 mm
626 mm	1,064 mm	1,064 mm
Danfoss BD80F	Danfoss BD50F	Danfoss BD50F
•	•	•
24 months	24 months	24 months

Chest freezers

AF-H220X

AF-H160S



- | Baskets for easy loading and unloading
- | Zinc-coated prepainted steel cabinet
- | Increased foam thickness for greater energy efficiency
- | Lid hinge assembly for cleaner, more compact appearance
- | Easy to use drainage for defrosting
- | Can be factory-set to allow operation as
 - refrigerator only or
 - as freezer only or
 - as fridge to sub-zero (with minimal alteration)
- | Specify at the time of ordering

Technical data chest freezers

Brand	Fisher & Paykel	Fisher & Paykel	Fisher & Paykel
Model	AF-H160S-Fridge	AF-H160S-Freezer	AF-H220X-Freezer
Power	DC	DC	DC
Voltages	12 V/24 V DC	12 V/24 V DC	12 V/24 V DC
Capacity	164 litres	164 litres	216 litres
Exterior	Corrosion proof	Corrosion proof	Corrosion proof
Defrost	Manual	Manual	Manual
Power Consumption	Temp.: 28 °C–35 °C 380 Wh/day	Temp.: 28 °C–35 °C 820 Wh/day	Temp.: 28 °C–35 °C 880 Wh/day
Height inc feet	open	1,475 mm open	1,475 mm open
Width	893 mm	893 mm	893 mm
Depth	611 mm	611 mm	746 mm
Depth - door open	662 mm	662 mm	662 mm
No. of baskets	2	2	2
Mechanical	Danfoss BD35F	Danfoss BD50F	Danfoss BD50F
Interior Light	-	-	•
Warranty	24 months	24 months	24 months

- | Dimensions shown in the table are the external dimensions of the cabinet only – they do not include space required for ventilation.
- | Power consumption figures are measured over a minimum period of 7 days for the given temperature range.
- | All models include the latest Danfoss BD compressor which will operate from either 12 V DC or 24 V battery/power supply.
- | Frost free models are supplied voltage specific i.e. to suit either 12 V or 24 V supply. Cyclic or manual defrost models are fitted with voltage specific internal globes (12 V or 24 V) which can be changed if system voltage is changed.
- | All test figures have been carried out on cabinets using CFC-free foam and R134A refrigerant.