

Steca PF166



One unit – two functions

The Steca PF166 is the most energy saving DC fridge and freezer combination for all DC and solar applications, also for medical clinics and medicine cooling. The device can be used either as a fridge or as a freezer. The user can also fully program the unit and adjust the temperature inside the cooling compartment individually.

Due to the latest A++ cooling technology in combination with optimized electronic regulation and compressor speed control Steca provides optimal use of energy. This leads to cost savings as the size of the necessary PV off-grid system can be reduced in comparison to other DC fridges.

User friendliness, highest quality, reliability and maintenance free long life-time are important characteristics of this innovative product. The device can either run with 12 V or 24 V input voltage.

Highlights

- Unit runs on a single 70 W module in most climates
- Fast cooling due to compressor speed control
- Low maintenance and easy to clean

Features

- A++ cooling technology
- lockable lid
- compressor speed control
- automatic selection of 12 V / 24 V
- temperature fully programmable
- fridge or freezer in one cabinet
- applicable for all DC applications

Display

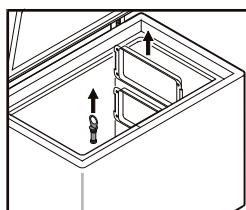
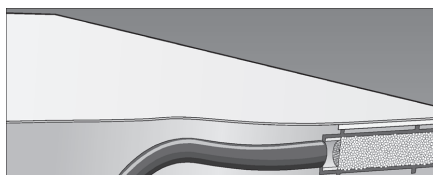
- user friendly display
- digital temperature display

Protection

- wrong polarity protection
- low voltage disconnection (lvd)
- Power breakdown display
- automatic reconnection after lvd

Certificates

- Conform to European Standards (CE)
- Proved for solar applications
- Made in EU ISO 9001 and 14001
- CFC-free (R-134a)
- RoHS Compliant



StopFrost. This innovation has two distinct advantages: frosting up of the freezer and frozen food is reduced by up to 70%, reducing the number of times you need to defrost the freezer. The StopFrost system prevents a vacuum from building up after the lid has been opened and closed. These freezers can be opened effortlessly.

With the integrated **cold-storage accumulator** the low temperature climate can be extended for many hours in the case of no electricity. So the cold-storage accumulator is an important feature of the unit and ensure the quality of the contents. The dividing wall existing of three freezing trays create two separate cooling areas with different temperatures. The trays can be used as drip cup.

The new dimension of energy saving: A++.

Energy saving is an important criteria when buying a fridge or a freezer. And as always when talking about low energy consumption you have the right arguments with Steca: With the innovative A++ units Steca offers a high tech energy saving product. Using latest electronic technology, combined with a high efficient cooling system, the energy consumption was significantly reduced. This outstanding energy saving solution convinces also coolest calculators and contributes active on protection of the environment.

Technical Data

Steca PF166		
System voltage	12 V	24 V
Energy efficiency class	A++	
Cooling method	compressor	
Energy optimized speed control	yes	
Full digital and electronic control system	yes	
Configurable	yes	
Usable cooling volume	166 liters 5,9 ft ³	
Input voltage range	10 V to 17 V	17 V to 31.5 V
Deep discharge protection	10.4 V	22.8 V
Automatic switch-on threshold	11.7 V	24.2 V
Maximum power consumption	40 - 100 W	
Recommended fuses	15 A	7.5 A
Refrigerator or freezer function	adjustable	
Adjustable internal temperature	yes	
Refrigerator temperature range	2 °C 35.6 °F – 12 °C 53.6 °F	
Freezer temperature range	-20 °C -4 °F – -10 °C 14 °F	
Ambient temperature range	10 °C 50 °F – 43 °C 109 °F	
Display	digital temperature display in lid	
Hanging baskets	2	
Freezer trays	3	
Lock	yes	
Cold battery	1	
Celsius/Fahrenheit temperature display	adjustable	
Display brightness	adjustable	
Automatic energy-saving mode	yes	
WHO Certificate	no	
External dimensions H x W x D	91.7 x 87.2 x 70.9 cm 36.1 x 34.33 x 27.91 inches	
Weight	61 kg 134 lbs	



Jointless foam insulation. The heat-exchange condenser is embedded in foam along the exterior wall, minimising vibration and promoting silent operation. No condensation forms on the outside and the smooth outside walls are easy to clean.



Perfect overview – all in the handle.

The operation and controlling functions of the unit are clearly arranged in the handle bar. The precise electronics ensures an degree-exact observance of the preset temperature. The easy accessible buttons makes the operation save and simply. Intelligent functions as the PowerSupply index or the temperature alarm function gives you the whole information about your foodstuff also in case of no electricity.

Average Freezer Consumption in Wh/day						
Ambient temperature	20 °C / 68 °F	25 °C / 77 °F	30 °C / 86 °F	35 °C / 95 °F	40 °C / 104 °F	
Internal temperature -10 °C / 14 °F	200 Wh/day	300 Wh/day	410 Wh/day	570 Wh/day	770 Wh/day	
Internal temperature -20 °C / -4 °F	410 Wh/day	570 Wh/day	770 Wh/day	1000 Wh/day	1400 Wh/day	

Average Fridge Consumption in Wh/day						
Ambient temperature	20 °C / 68 °F	25 °C / 77 °F	30 °C / 86 °F	35 °C / 95 °F	40 °C / 104 °F	
Internal temperature 10 °C / 50 °F	30 Wh/day	57 Wh/day	93 Wh/day	140 Wh/day	208 Wh/day	
Internal temperature 3 °C / 37,4 °F	70 Wh/day	110 Wh/day	165 Wh/day	240 Wh/day	340 Wh/day	