



Steca PF 166

Solar refrigerator/freezer

The Steca PF 166 is the most efficient DC energy-saving refrigerator ever to be developed. It can be used as either a refrigerator or a freezer.

The Steca PF 166 is fully programmable. The inside temperature and each of the other configuration values can be set by the user. It is therefore perfectly suited for all DC applications including even the refrigeration of medicines in hospitals. Thanks to the latest A++ energy efficiency class, together with optimal electronic control and an RPM control of the compressor, it is possible to ensure that the energy is used extremely efficiently. This leads to significant cost reductions.

This product stands out for its user-friendliness, thanks to a large digital display with setting options, the highest standards of quality and reliability and a long service life. The refrigerator or freezer is easy to clean as it has a sealing plug on the bottom for draining water. This maintenance-free appliance can work with an input voltage of either 12 V or 24 V.

Product features

- A++ energy efficiency class
- Fast cooling due to compressor speed control
- Freezer runs on a 70 W photovoltaic module in most climates
- Automatic detection of voltage
- Temperature fully programmable
- Adjustable refrigerator or freezer function
- Suitable for all DC applications
- Low maintenance and easy to clean
- Lock with two keys
- Also suitable for mobile use

Electronic protection functions

- Reverse polarity protection
- Deep discharge protection
- Power breakdown display
- Temperature alarm

Displays

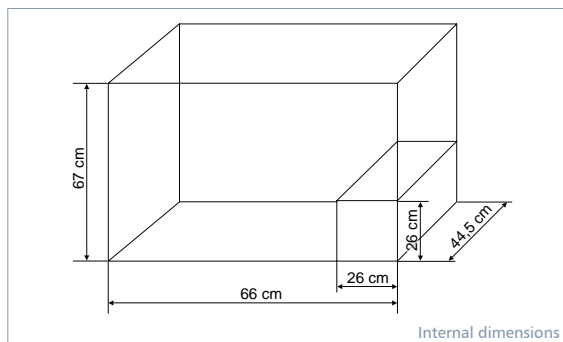
- Multifunction LED display
- Digital temperature display

Operation

- Programming by buttons

Certificates

- Compliant with European Standards (CE)
- RoHS compliant
- CFC-free (R-134a)
- Developed in Germany
- Manufactured according to ISO 9001 and ISO 14001



PF 166	
Certificates	
Energy efficiency class	A++
Characterisation of the operating performance	
System voltage	12 V (24 V)
Nominal power	40 W ... 100 W
Cooling volume	166 litres
Refrigerator temperature	+2 °C ... +12 °C
Freezer temperature	-20 °C ... -10 °C
DC input side	
Input voltage	10 V ... 17 V (17 V ... 31.5 V)
DC output side	
Reconnection voltage (LVR)	11.7 V (24.2 V)
Deep discharge protection (LVD)	10.4 V (22.8 V)
Operating conditions	
Ambient temperature	+10 °C ... +43 °C
Fitting and construction	
Dimensions (X x Y x Z)	917 x 872 x 709 mm
Weight	61 kg
Cooling principle	compressor
Celsius / Fahrenheit temperature display	adjustable
Display brightness	adjustable
Hanging baskets	2
Freezer trays	3
Cold battery	1
Automatic energy-saving mode	yes

Technical data at 25 °C / 77 °F

Consumption freezer					
Ambient temperature	20 °C	25 °C	30 °C	25 °C	40 °C
Interior temperature -10 °C	200 Wh / day	300 Wh / day	410 Wh / day	570 Wh / day	770 Wh / day
Interior temperature -20 °C	410 Wh / day	570 Wh / day	770 Wh / day	1000 Wh / day	1400 Wh / day
Consumption refrigerator					
Ambient temperature	20 °C	25 °C	30 °C	25 °C	40 °C
Interior temperature 10 °C	30 Wh / day	57 Wh / day	93 Wh / day	140 Wh / day	208 Wh / day
Interior temperature 3 °C	70 Wh / day	110 Wh / day	165 Wh / day	240 Wh / day	340 Wh / day

[areas of application]

