



Steca PF 166 and PF 240

Solar refrigerator/freezer

The Steca PF 166 and Steca PF 240 are the most efficient DC energy-saving refrigerators ever to be developed. They can be used as either a refrigerator or a freezer.

The Steca PF 166 and Steca PF 240 are fully programmable. The inside temperature and each of the other configuration values can be set by the user. They are 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
- Auto-dimming for reduction of own consumption

Electronic protection functions

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

Displays

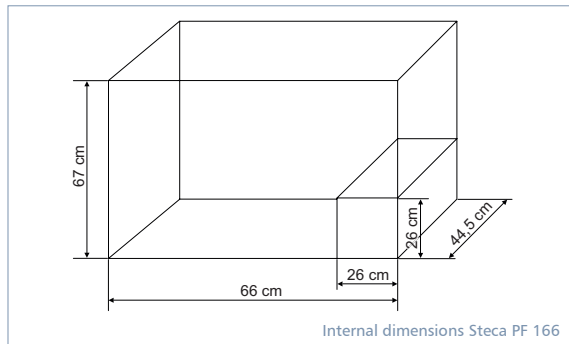
- Multifunction LED display
- Digital temperature display

Operation

- Programming by buttons

Certificates

- Compliant with European Standards (CE)
- RoHS compliant
- Abstinence of ozone destroying materials according EC 1005/2009 (CFC-free)
- Developed in Germany
- Manufactured according to ISO 9001 and ISO 14001



	PF 166	PF 240
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	240 litres
Refrigerator temperature	+2 °C ... +12 °C	
Freezer temperature	-20 °C ... -10 °C	-15 °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	1,288 x 919 x 760 mm
Weight	61 kg	69 kg
Cooling principle	compressor	
Celsius / Fahrenheit temperature display	adjustable	
Display brightness	adjustable	
Hanging baskets	2	3
Freezer trays	3	1
Cold battery	1	1
Automatic energy-saving mode	yes	

Technical data at 25 °C / 77 °F

Consumption freezer Steca PF 166					
Ambient temperature	20 °C	25 °C	30 °C	35 °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	1,000 Wh / day	1,400 Wh / day
Consumption refrigerator Steca PF 166					
Ambient temperature	20 °C	25 °C	30 °C	35 °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]

