

Steca PF 166, Steca PF 240 and Steca PF 166 battery free

Solar refrigerator/freezer¹⁾

Steca PF refrigerators are the most efficient DC energy-saving refrigerators ever developed. They can be used as either a refrigerator or a freezer.¹⁾

The Steca PF 166, Steca PF 240 and Steca PF 166 battery free 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.

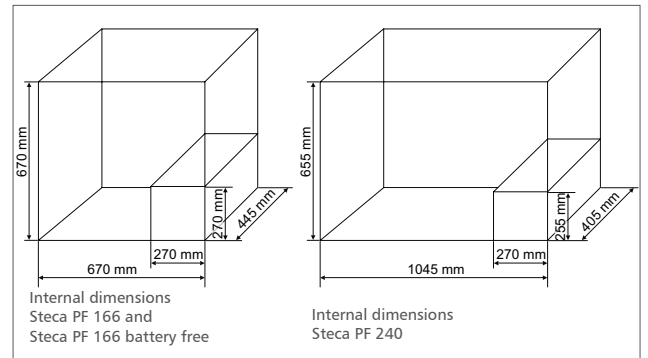
This product stands out for its user-friendliness, thanks to a large digital display with setting options, the highest standards of quality and reliability and a long service life. The refrigerator or freezer is easy to clean as it has a sealing plug on the bottom for draining water.



Steca PF 240

Steca PF 166 and Steca PF 166 battery free

40 W... 100 W



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 freezer¹⁾ 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

Consumption Steca PF 166 [Wh / day]					
Ambient temperature	20 °C	25 °C	30 °C	35 °C	40 °C
Interior temperature +8 °C	44	72	109	156	216
Interior temperature +3 °C	72	109	156	216	291
Interior temperature -10 °C	190	259	346	454	589
Interior temperature -20 °C	346	454	589	756	946
Consumption Steca PF 240 [Wh / day]					
Ambient temperature	20 °C	25 °C	30 °C	35 °C	40 °C
Interior temperature +8 °C	49	82	125	183	256
Interior temperature +3 °C	82	125	183	256	351
Interior temperature -10 °C	225	311	421	561	739
Interior temperature -20 °C	421	561	739	964	1,246

Areas of application:



	PF 166	PF 240	PF 166 battery free
Certificates			
Energy efficiency class	A++		
Characterisation of the operating performance			
System voltage	12 V (24 V)		17 V
Nominal power	40 W ... 100 W		50 Wp ... 200 Wp
Cooling volume	166 litres	240 litres	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) 12 V / 24 V battery		17 V ... 35 V 36 ... 72-cell solar module ²⁾
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		+10 °C ... +40 °C
Fitting and construction			
Dimensions (X x Y x Z)	917 x 872 x 709 mm	1,288 x 919 x 760 mm	917 x 872 x 709 mm
Weight	47 kg	62 kg	47 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		

¹⁾ only Steca PF 166 and Steca PF 240
²⁾ no battery required

Technical data at 25 °C / 77 °F