

Rural Electrification Kits

Be Cool | Ice Age

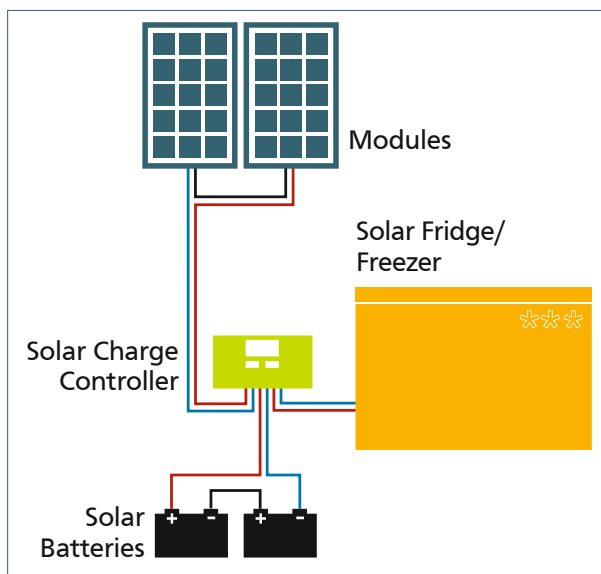
600045 – 600049 • 11/2019

The Phaesun Refrigeration Kits are the best solution for reliable cooling and freezing needs far from the electricity grid. These Kits include the solar fridge Steca PF 166, that can be used for cooling or freezing, all equipment for charging and installation material. The Refrigeration Kits are best suitable for the use in health posts, grocery stores etc. The kits are suitable for the use in different irradiation zones. The cooling/freezing capacity then depends on the available irradiation. Please check the irradiation map and the corresponding table.



**KIT WITH
STECA
FRIDGE
PF240 ON
REQUEST!**

Article	Article No.
Be Cool IG 1 – 4	600045
1 Steca PF166 1 Modules 80 W 1 Batteries 80 Ah 12 VDC	
Ice Age IG 1 – 4	600049
1 Steca PF166 2 Modules 100 W 2 Batteries 90 Ah 24 VDC	



Components:

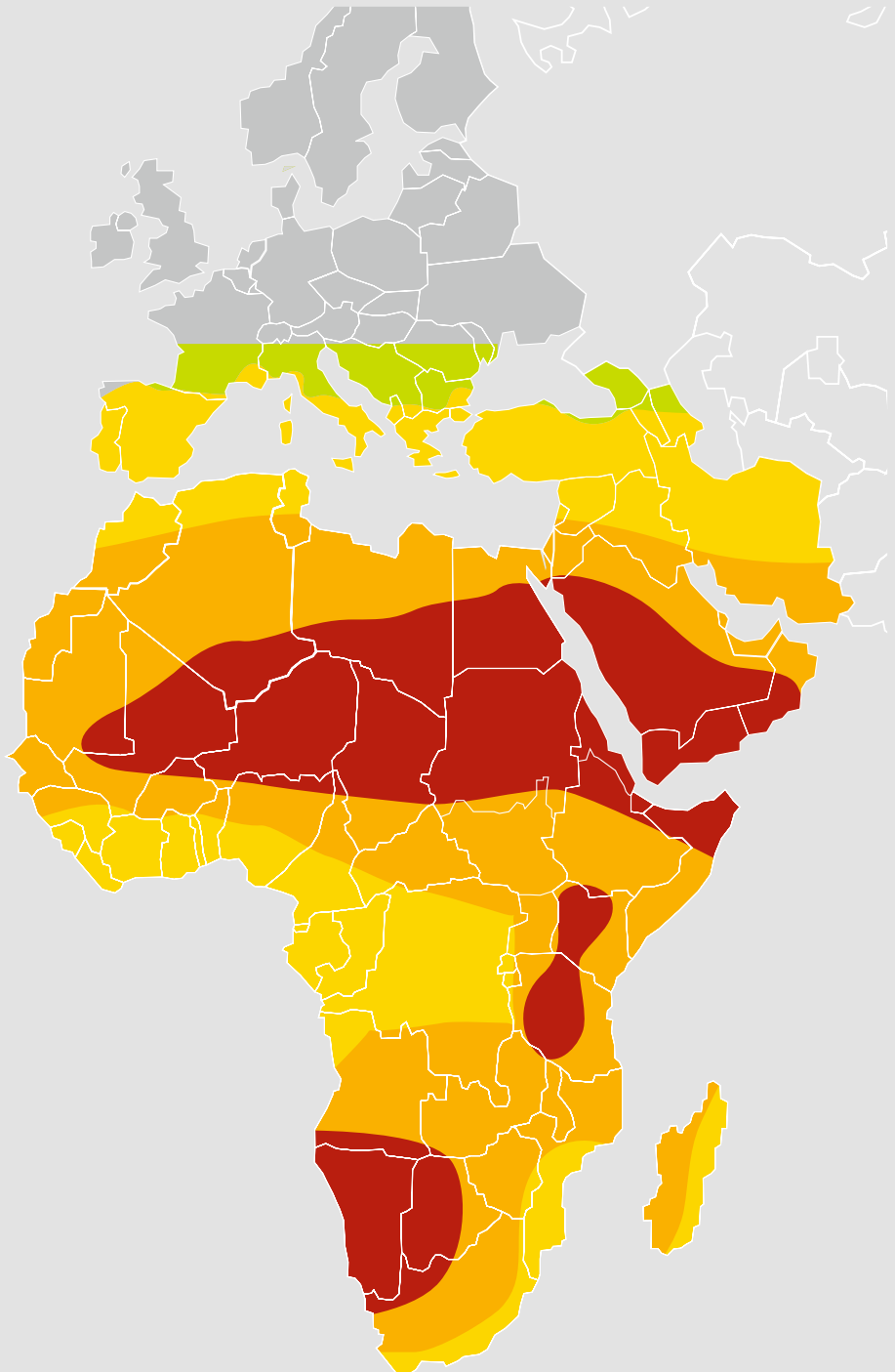
- Solar Modules
- Solar Fridge/Freezer Steca PF 166
- Batteries
- Charge Controller
- Cabling
- Mounting Structure

See our irradiation map on the back site.





	Radiation	Autonomy	Ambient Temperature	600045 Fridge @ 5 °C	600049 Freeze @ -10 °C
IG1	6,00 kWh/m ² /d	50 h	35 °C	1,9 kg	1,9 kg
IG2	5,00 kWh/m ² /d	60 h	32 °C	1,7 kg	1,5 kg
IG3	4,00 kWh/m ² /d	70 h	29 °C	1,5 kg	1,1 kg
IG4	3,00 kWh/m ² /d	100 h	26 °C	1 kg	0,6 kg

Global horizontal irradiation:

The system components depend on the solar irradiation of the specific location. Find out your irradiation group and choose the adapted kit.



Average daily sum:

-  Irradiation Group IG 1:
≈ 6 kWh/m²
-  Irradiation Group IG 2:
≈ 5 kWh/m²
-  Irradiation Group IG 3:
≈ 4 kWh/m²
-  Irradiation Group IG 4:
≈ 3 kWh/m²

Phaesun GmbH

Brühlweg 9
87700 Memmingen
Germany

Phone +49 (8331) 990 42 0
Fax +49 (8331) 990 42 12
info@phaesun.com

www.phaesun.com

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