

The Grid-independent Refrigerator, Based On Solar Power

Designed and Engineered in Germany
*Produced in Europe



GLOBAL ICE TEC

THE COOLING SOLUTION

Using the new cooling technology by GLOBAL ICE TEC AG, refrigerators can keep chilled goods constantly cool, between 4° and 12°C, for more than 36 hours at outside temperatures of 35° to 40°C, even without a continuous power supply.

Based on this completely new, cutting-edge technology, GLOBAL ICE TEC AG has developed the UNOCOOL 165 DC household refrigerator, which can be powered by photovoltaic systems (10-40V DC).

Optimal scope of applications in all climatic conditions in the target markets (even in areas with high humidity)

SUPPORT FOR THE IMPLEMENTATION OF CLIMATE AND WORLD FOOD POLICY OBJECTIVES BY UNOCOOL 165 DC

Sustainable in production

In the production use of

- ▶ CO2 free refrigerant
- ▶ High-quality materials that can withstand the demands of hot and humid tropical countries

Lifecycle analysis

- ▶ Long life span
- ▶ Very low maintenance requirements
- ▶ No disposal of toxic substances necessary (e.g. lead batteries)

Sustainable in operation

- ▶ Energy is generated from solar power, no emissions, no costs for energy
- ▶ Can be installed anywhere without great effort using “plug and play”
- ▶ Easy to uninstall in case you need to relocate

Sustainable for nutrition

- ▶ Extended storage time for fresh products
- ▶ Healthy nutrition through fresh and un-spoilt food or medicine
- ▶ Suitable for storing medication
- ▶ Reduction of waste from spoiled food



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TECHNICAL SPECIFICATIONS

Device type:	Household refrigerator with new cooling technology
Type:	Upright unit, freestanding
Cooling system:	Compressor
Refrigerant:	R600a
Power supply:	Direct current (DC)
System voltage:	10 – 40 V
Rated power:	50 W ... 80 W
Power generation:	Photovoltaic module 120 - 180 W without battery storage system
Cooling temperature:	+ 4°C...+12°C+
Ambient temperature:	+16°C...+40°C
Working time:	period during self-sustained operation at 25°C ambient temperature: 60 hours at 35°C ambient temperature: 36 hours at 40°C ambient temperature: 27 hours

PHYSICAL SPECIFICATIONS

Dimension:	1300 x 595 x 636 mm
Weight:	Refrigerator: 50 kg
Net capacity:	140 L
Doors:	1 piece, alternately mountable
Shelves:	2 pieces grid shelves, height adjustable 1 piece glass shelf
Drawer:	1 piece

QUALITY

- » CE-compliant according to EU regulation 765-2008
- » RoHS compliant according to EU 2011-65
- » Use of CFC-free refrigerants according to EC 1005-2009
- » Production in Europe according to ISO 9001 and ISO 14001



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UNOCOOL 165 DC

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