



POWER LINE CoolSun 60

Solar powered refrigerator
Cooling made affordable
Intelligent energy storage function

Developed according to the latest German quality standards, the Fosera CoolSun refrigerator brings solar fridges to a new level of affordability. Instead of relying on a large, expensive battery, the CoolSun has an integrated thermal storage.

How it works exactly:

The thermal storage of the Fosera CoolSun consists of phase changing material (PCM), which freezes at approx. 6°C. During the day time, when solar energy is available, the PCM is cooled down and freezes. During the night it melts and can keep your goods fresh with just a small amount of additional energy.

Just as cool as you need it:

The two different modes make the CoolSun usable for many applications and use cases:

1. A smart mode makes the fridge perfectly suitable for energy optimized household usage. It works perfectly together with the Fosera Solar Systems and makes the maximum usage out of the integrated PCM storage for optimized energy consumption.

2. The manual mode is designed for constantly cooling to a temperature between 2°C and 8°C, which can be set by the user. The refrigerator will cool down and stay at the designated temperature.

Advantages & Features:

The investment cost for the solar system are kept at a minimum, since the Fosera CoolSun solar refrigerator already works with a relative small system.

The CoolSun improves the thermal capacity and autonomy time of the fridge and makes sure chilled goods are kept without damage.

The integrated display indicates the inside temperature of the fridge. In case the temperature goes above the set level, the fridge will display a warning that the inside temperature was too high.

Plenty options to grow:

The Fosera CoolSun is designed to work perfectly with the Fosera systems. It even can be retro-fitted to an existing Fosera EVO system, by just adding the fridge and an additional panel to the system.

Fosera proudly presents a reliable, maintenance free and ecological friendly refrigerator, which will serve you for a long time and is affordable for everyone. Enjoy!

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Maximal power	45 W
Consumption per year at 5 °C internal and 25 °C ambient temperature	59 kWh/a (165 Wh/d)
Temperature range	2-8 °C
Operating voltage	13 V +/- 2 V
Volume	54 L
Internal dimensions (H x W x D)	427x285x445 mm
External dimensions (H x W x D)	715x425x585 mm

The CoolSun 60 runs with environmentally friendly CFC-free and non-flammable refrigerant R134a



Engineered in
Germany