



Solar Cooling Box



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SF32E

The SF32E is a new type of cooling box especially created for the use in photovoltaic solar systems. Due to its good insulation, a new type of solid-state semiconductor cooling device and an advanced electronic regulation it has a very low power consumption. Because it is not a compressor-type cooling system, the SF32E produces almost no noise. The internal electronics switches automatically to a special "Power Mode" as soon as the battery has reached a high state of charge. Therefore $\frac{3}{4}$ of energy is consumed during excess energy periods in solar systems. The SF32E can be operated on a 30 to 60 Watt solar module, depending on location of use.

This Cooling Box has a sophisticated microprocessor control unit which allows excess energy use if the fridge is connected to a CR10LC, CR20LC or CR30LC regulator. The SF32E consumes more energy during daytime to reduce nighttime energy consumption. This leads to a better utilization of solar energy and the possibility to use smaller batteries. Two interior temperatures can be selected.

Features

- Low energy consumption
- 32 L net interior volume
- Runs both with top or front door
- Handle for easy moving
- Rugged plastic cabinet
- Especially designed for use in solar systems



SH-No.:	150000
Cooling Box	SF32E
Operation Voltage	11 - 15 / 22 - 30 V
max. supply current	12 V = 3.5 A / 24 V = 2.5 A
Capacity	32 Litre
Dimensions (W x H x D)	303 x 420 x 450 mm
Interior temperature	7 - 15°C max. bei 35°C ambient
Energie-Management function	Battery voltage or control signal
Daily energy consumption (10°C Interior)	50 Wh at 20°C 250 Wh at 30°C
Weight	8 kg