



SUNFRIDGE

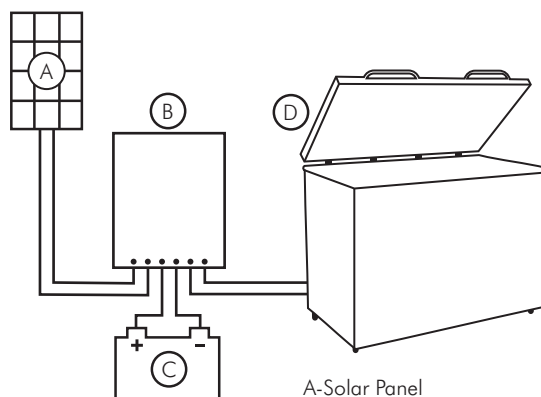
Energy Efficient Solar Refrigerator



SUNFRIDGE 55



SUNFRIDGE 128/ 233



A-Solar Panel
B-Charge controller
C-Battery
D-Solar Freezer

DAYLIFF SUNFRIDGE Solar Refrigerators/Freezers are highly efficient DC energy saving refrigerators specifically designed for off-grid solar PV powered applications including residential homes, camps and medical centres. They can be used either as refrigerators or freezers due to the fully programmable temperature control and feature an air forced fin-coil condenser that assures top cooling performance. The Dayliff SUNFRIDGE offers the following features:

- Opening top chest design, 55/128 single lid and 233 double lid
- Selective temperature setting that provides either fridge or freezer application
- Multifunction LED display of operating parameters including battery power and temperature
- 12 or 24VDC power input with automatic selection
- Inbuilt protection against reverse polarity, battery deep discharge
- Bottom drain plug for easy cleaning, lockable lid with interior light
- Internal basket to separate fridge contents
- 110mm insulation wall and CFC free
- 100% Copper Tube, Cooling System Enhanced
- Extremely strong lid, hinge and freezer body
- Low maintenance and easy to clean

Featuring the latest cooling technology in combination with optimized electronic regulation and compressor speed control, Dayliff SUNFRIDGE provide optimal use of energy which results in lower input power requirements and the highest standards of quality, reliability and long service life.

TECHNICAL SPECIFICATIONS

MODEL	SUNFRIDGE 55	SUNFRIDGE 128	SUNFRIDGE 233
Storage Volume (Litres)	55	130	240
Operating Temperature Range	-20°C to +10°C		
Nominal Solar Power Requirement	80W	125W	150W
Energy Consumption per 24hrs	0.302kWhr	0.46kWhr	0.6kWhr
Lithium-Ion Battery Size Requirement	100Ah/12VDC		100Ah/24VDC
Charge Controller Requirement	10A/12VDC		15A/24VDC
Power Supply	12/24VDC		
DC Input Voltage	10VDC-17VDC/17VDC - 31.5VDC		
DC Reconnection Voltage (LVR)	11.5/23.9V		
DC Deep Discharge Protection (LVD)	10.2/22.5V		
Operating Ambient Temperature	10°C to 43°C		
Internal Dimensions (LxWxH)	430x230x315	513x530x585	993x516x594
External Dimensions (LxWxH)	650x450x535	733x750x805	1213x736x814
Weight (kgs)	28	47	66

Note: The sunfridges are not suitable for commercial application but ideal for domestic household cooling/freezing and can freeze 6-10kgs of water or equivalent for 24 hours period.