

PRODUCT OVERVIEW

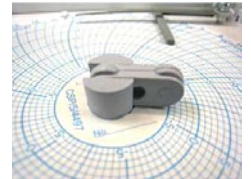
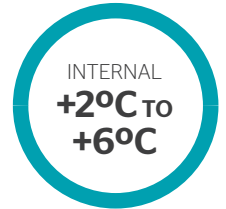
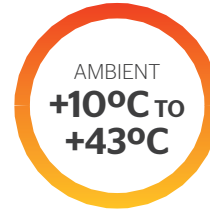
# VC65-Blood

**Our solar-powered, small capacity combined blood bank and water pack freezer exceeds all current WHO solar refrigerator test standards, providing reliable insurance for your valuable blood supplies.**

**A bespoke design for use in the cold chain – the result of over 30 years experience gained in supplying solar refrigerators to the most remote corners of the earth.**

## Features & Benefits

- Compact storage capacity for 24 blood bags
- Temperature recorder and charts
- Digital temperature display at  $\pm 1^{\circ}\text{C}$
- Quickly pays for itself in reduced wastage and fuel costs
- Operates reliably worldwide using well proven solar sizing methodology
- Energy efficient top opening design
- High capacity European batteries provide 5 day holdover in the event of low sunshine levels
- Separate compressor for refrigerator and freezer compartments
- The dedicated freezer provides icepacks for outreach blood collection
- Independent freezer switch enables defrosting or energy saving
- CFC free insulation and refrigerant
- Electronic temperature control and high/low alarms
- Maximum and minimum temperature recording
- Robust, powder-coated steel cabinet
- Stacking baskets for easy-access stock management
- Dedicated technical support and aftercare
- British made



\*Product and application images for illustration purpose only.

## VC65-B Technical Specifications

### Refrigerator Capacity

Net blood storage capacity	24 bags (450ml/bag)
Gross volume	68 litre
Climate zone	+43°C
Minimum rated ambient temperature	+10°C
Holdover time	2h 42m at +43°C
Energy consumption, stable running	0.53 kWh/24h

### Freezer Capacity

Waterpack freezing capacity	2.4kg/24h
Waterpack storage capacity	16.6 litre
Gross volume	25 litre
Energy consumption, during freezing	0.90 kWh/24h

### Dimensions

External: H x W x D	936 x 929 x 777 mm
Shipping weight	140 kg
Shipping volume	1.0 m <sup>3</sup>

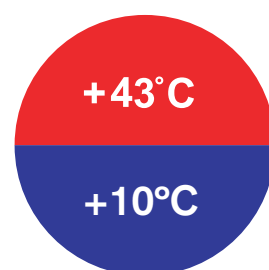
### Technical Details

Energy consumption at +32°C	0.29 kWh/24h
Energy consumption at +27°C	0.21 kWh/24h

### WHO Pre-qualification / WHO BTS/RF5.3

Test procedure	E003/RFO4-VP.2
Performance specification	E003/RFO4.2
PQS reference	E003/026

Appliance supplied as a kit including solar panels, batteries, chart recorder, charge controller and accessories. **Supplied with:** Locking door, external temperature indicator, air circulation basket, instruction manuals.



### Experts in Solar innovation

The Dulas Solar International team provide high quality solar solutions where there is an unreliable or nonexistent grid network. Since 1982, Dulas has supplied solar power systems throughout the world for healthcare, water supply, telecommunications, humanitarian development, education, commerce and communities.

Our products and services include solar vaccine refrigerators and freezers (certified to WHO PQS standards), training and technical advice on the use and maintenance of refrigerator systems, solar water pumping and bespoke solar generating systems for remote locations.