

# dulas solar VC150

## MEDICAL SOLAR REFRIGERATOR

*The DULAS VC150 is the only solar medical refrigerator with sufficient staying power to keep at least 50 ice packs frozen while also storing vaccines or blood.*



- ~ Low Cost / High Efficiency
- ~ Performance & Flexibility For Vaccine Storage \ Ice Pack Freezing At Low Ambient Temperatures
- ~ Independent Freezer Capability - Saves Energy
- ~ Extended Hold-Over Time

*Dulas is one of a handful of companies world-wide which qualify as approved solar system suppliers (WHO/UNICEF) and manufacture a CFC free solar refrigerator for use in the Cold Chain, the vital system which links cold store in a chain to supply much needed vaccine to remote communities.*



SOLAR POWERED



EASY TO READ DISPLAYS



TWO SEPERATE COMPARTMENTS



HEALTH CENTRE

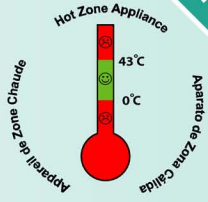


TECHNICAL TRAINING

ALSO AVAILABLE FOR BLOOD



**dulas Ltd**



**SPECIFICATIONS**

Vaccine storage capacity  
 Frozen icepack storage capacity  
 Manufacturers gross volume  
 External dimensions, H x W x D  
 Internal dimensions, H x W x D

**REFRIGERATOR**

85 (using standard vials packed in cardboard boxes)  
 N/A  
 116  
 927 x 1283 x 685  
 628 x 336

**FREEZER**

N/A  
 50  
 60  
 660  
 685 x 276 x 336

**UNITS**

litres  
 0.6 litres  
 litres  
 mm  
 mm

**PERFORMANCE AT**

Icepack freezing, with vaccine  
 Holdover time during power cut  
 Electricity consumption:  
 With icepack freezing  
 Without icepack freezing

	32	43	32	43	°C
Icepack freezing, with vaccine			8.7/24	6.38/24	kg/hrs.
Holdover time during power cut	5.8	3.8	4.63	3.12	hours
Electricity consumption:					
With icepack freezing	0.4*	0.70*	0.53	0.75	kWh/24h
Without icepack freezing	0.4*	0.529*	0.35	0.545	kWh/24h

\* Measured with freezer and refrigerator compressor both turned on.

**ENERGY REQUIREMENTS**

Energy sources: 12V dc

~ ROBUST STEEL CABINET ~

~ CFC FREE INSULATION AND REFRIGERANT ~

~ ADJUSTABLE ELECTRONIC TEMPERATURE CONTROL WITH DISPLAY ALARMS ~

~ FULLY COUNTER BALANCED AND LOCKABLE CABINET LID ~

~ DESIGNED FOR RAPID AND EVEN COOLING ~

*Dulas is one of a handful of companies world-wide who are qualified as solar system suppliers to WHO/UNICEF and who manufacture a range of CFC free solar refrigerators for use in the Cold Chain, and rural health facilities.*

**www.dulas.org.uk**

For more information contact:  
**DULAS SOLAR**

TEL: +44(0)1654 705000 FAX: +44(0)1654 703000 E-MAIL: solar@dulas.org.uk  
 Unit 1, Dyfi Eco Park, Machynlleth, Powys, Wales, UK. SY20 8AX