



E003:

Refrigerators and freezers

PQS code:	E003/048
Type of appliance:	Solar direct drive combined refrigerator/freezer
Manufacturer's reference:	VC150SDD
Manufactured in:	United Kingdom
Company:	Dulas Ltd
Address:	Dyfi Eco Parc Machynlleth Powys SY20 8AX United Kingdom
Telephone:	+ 44 (0)1654 705055
Email:	solar@dulas.org.uk
Web address:	http://www.dulassolar.org/

Specifications

Climate zone:	Hot	Min rated ambient temp:	+5°C
Refrigerant:	R600a	Energy source:	Solar direct drive
Appliance tested at:	+43°C; +32°C	Ext dimensions (HxLxD)	99.2 x 128.3 x 73.5 cm
Performance at:	+43°C	Fuel and cycle type:	Electric - compression
SOLAR DIRECT DRIVE REFRIGERATOR AND / OR FREEZER			Freeze protection: Grade A
Vaccine storage capacity: (Liters)	102	Gross volume (Liters):	42.9
Gross volume (Liters):	158.1	Waterpack freezing capacity:	2.04
		Waterpack storage capacity:	8.1 kg
Autonomy as per WHO/PQS protocols	77.99	At a solar radiation reference period of:	3.5 kWh/m ² /day

Warning !

For solar direct drive units, the correct sizing of the solar panel array for a specific site is complex and critical. It must be agreed with both the appliance manufacturer and with the Qualified Supplier of the solar energy system at the time of ordering.

Main performance 32°C: Cool down, 120 hours, 0.72kWh/day; Stable running: 0.72kWh/day;
Waterpacks freezing: 2.4kg, 0.81kWh/24h; Waterpacks storage: 12kg; Autonomy: 118.9 hours;
Holdover: 122.5hours
Photovoltaic array: >24Vdc and <45Vdc
Incorporates Freeze Free technology
Price includes a plug and play roof mounted adjustable 600W solar array

Comments:

Accessories:

Handle with in built lock, stacking baskets: 37.0 x 30.5 x 21.5cm = 17L; external temperature display, instruction manual.
Integrated 'Vaccine Guard' Remote Temperature Monitoring Device. Real-time monitoring of vaccine and ambient temperatures. Embedded Global GSM connectivity activated upon fridge installation. Service portal access showing map location, temperatures and deviations. User configurable alarms via SMS and email. Compliant to WHO PQS E006/TR03.2 with the exception of a temperature display on the Vaccine Guard device (temperature is displayed on the refrigerator display). www.vaccine-guard.com

Spare parts (ref, price):

Included in the UNICEF Supply Division spare parts kit:
1 No. Compressor (Secop BD35K) - Part No. 101Z0211
1 No. Electronic Control Unit (Secop) - Part No. 101N0410
1 No. Dulas SDD-DC controller
1 No. MCB fridge - Part No. 693-CBTWF0100C0
1 No. Freezer on/off switch - Part No. 655-W51-A151-A1-5
1 No. Freezer fan - Part No. 89-4367.GN.
1 No. Temperature probes - Part No. SN4B15P1 + Part No. SN4B25P1

Other parts are available as spares on request.

Shipping volume:

1.2m3

Shipping weight:

171kg

Price year

2018

Incoterms

EXW

Price

>100 €6,160.00 per unit
including solar system

Quality standard:

- ISO 9001:2008 - Other -
ISO 14000 -

Specification ref.

Verification report:

300-KLAB-14-148

Verification laboratory:

Danish Technological Institute

Current PQS status:

pre-qualified: 06 Jan 2015

Validity until: *May, 2021*

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.