



E003:

Refrigerators and freezers

PQS code:	E003/084
Type of appliance:	Solar direct drive combined refrigerator/freezer
Manufacturer's reference:	VC60SDD-1
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/

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Specifications

Climate zone:	Hot	Min rated ambient temp:	+5°C
Refrigerant:	R600a	Energy source:	Solar direct drive
Appliance tested at:	+43°C	Ext dimensions (HxLxD)	95.9cm x 128.2cm x 74.0cm
Performance at:	+43°C	Fuel and cycle type:	Electric - compression
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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)	57 Litres	Gross volume (Liters):	24 Litres
Gross volume (Liters):	124 Litres	Waterpack freezing capacity:	2.4kg or 4x 0.6L packs
		Waterpack storage capacity:	13.8kg or 23 x 0.6L packs
Autonomy as per WHO/PQS protocols	82hrs 48 mins	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.

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Comments:	Integrated PCM internal lining used as part of Dulas Freeze Free technology. PCM lining complies with WHO/PQS/ E005/PCMC0.1 specification		
Accessories:	Handle with in-built lock; External temperature display; Instruction manual; Stacking baskets; replaceable lid gaskets 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 "Integrated RTMD powered internally from the refrigerator and included in the overall appliance energy consumption"		
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. 101N0420 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. Other parts are available as spares on request.		
Shipping volume:	1.2 m ³	Shipping weight:	170 kg
Price year	2016	Incoterms	EXW
Price	>100 units €5,225.00 per complete system		
Quality standard:	- ISO 9001:2008 - Other - ISO 14000 -	Specification ref.	
Verification report:	300-KLAB-16-164	Verification laboratory:	Danish Technological Institute
Current PQS status:	<i>pre-qualified: 16 Jan 2017</i>	Validity until: <i>May, 2023</i>	

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.

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