



E003: Refrigerators and freezers

PQS code: E003/058
Type of appliance: Solar direct drive refrigerator
Manufacturer's reference: Dulas VC110SDD
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)	95.9 x 128.2 x 74.0 cm
Performance at:	+43°C	Fuel and cycle type:	Electric - compression
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Appliance tested at:	+43°C	Ext dimensions (HxLxD)	95.9 x 128.2 x 74.0 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)	110L	Gross volume (Liters):	N/A
Gross volume (Liters):	205L	Waterpack freezing capacity:	
		Waterpack storage capacity:	
Autonomy as per WHO/PQS protocols	78h 09 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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Warning !			
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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; Baskets: 47.0 x 30.5 x 21.5 cm = 22L replacable 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-SC controller 1 No. Fridge MCB - Part No. 693-CBTWF060C0 1 No. Temperature Probe - Part No. SN4B15P1 Other parts are available as spares on request.		
Shipping volume:	1.2 m3	Shipping weight:	129 Kg
Price year	2018	Incoterms	EXW
Price	>100 units €4,125.00 includes solar system		
Quality standard:	- ISO 9001:2008 - Other - ISO 14000 -	Specification ref.	
Verification report:	300-KLAB-13-194-3	Verification laboratory:	Danish Technological Institute
Current PQS status:	<i>pre-qualified: 18 Sep 2015</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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