



## E003:

## Refrigerators and freezers

<b>PQS code:</b>	<b>E003/078</b>
<b>Type of appliance:</b>	Solar direct drive refrigerator
<b>Manufacturer's reference:</b>	VC50SDD
<b>Manufactured in:</b>	United Kingdom
<b>Company:</b>	Dulas Ltd
<b>Address:</b>	Dyfi Eco Parc Machynlleth Powys SY20 8AX United Kingdom
<b>Telephone:</b>	+ 44 (0)1654 705055
<b>Email:</b>	<a href="mailto:solar@dulas.org.uk">solar@dulas.org.uk</a>
<b>Web address:</b>	<a href="http://www.dulassolar.org/">http://www.dulassolar.org/</a>

## Specifications

<b>Climate zone:</b>	Hot	<b>Min rated ambient temp:</b>	+5°C
<b>Refrigerant:</b>	R600a	<b>Energy source:</b>	Solar direct drive
<b>Appliance tested at:</b>	+43°C	<b>Ext dimensions (HxLxD)</b>	960mm x 1000mm x 740mm
<b>Performance at:</b>	<b>+43°C</b>	<b>Fuel and cycle type:</b>	Electric - compression
<b>SOLAR DIRECT DRIVE REFRIGERATOR AND / OR FREEZER</b>			<b>Freeze protection: Grade A</b>
<b>Vaccine storage capacity: (Liters)</b>	52.5 litres	<b>Gross volume (Liters):</b>	
<b>Gross volume (Liters):</b>	82 litres	<b>Waterpack freezing capacity:</b>	
		<b>Waterpack storage capacity:</b>	
<b>Autonomy as per WHO/PQS protocols</b>	74hrs 15mins	<b>At a solar radiation reference period of:</b>	3.5 kWh/m <sup>2</sup> /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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Incorporates Freeze Free technology. Price includes plug and play roof mounted adjustable 260 Wp solar array

**Comments:**

**Accessories:**

Handle with in-built lock; External temperature display; Instruction manual; Basket; 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](http://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. 101N0420  
1 No. Dulas SDD-SC controller  
1 No. Condenser fan - Part No. G5001  
1 No. Fridge MCB - Part No. 693-CBTWF060C0  
1 No. Temperature Probe - Part No. SN4B15P1

Other parts are available as spares on request.

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<b>Shipping volume:</b>	1.02 m3	<b>Shipping weight:</b>	129 kg
<b>Price year</b>	2018	<b>Incoterms</b>	EXW
<b>Price</b>	>100 units €3,025.00 per complete system		
<b>Quality standard:</b>	- ISO 9001:2008 - ISO 14001	<b>Specification ref.</b>	-
<b>Verification report:</b>	300-KLAB-16-147	<b>Verification laboratory:</b>	Danish Technological Institute
<b>Current PQS status:</b>	<i>pre-qualified: 04 Oct 2016</i>	<b>Validity until:</b>	<i>May, 2021</i>

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