



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/

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)	98 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)	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.

Supplied as standard with Integrated Beyond ICE3 BC141 Remote Temperature Monitoring Device. Fully compliant to WHO PQS E006/TR03.2. See separate registration E006/036 for full details. Beyond's Remote Temperature Monitoring System (RTMS) provides real-time monitoring and reporting of cold chain assets in one easy to use cloud-based portal. Accessible via PC or Smartphone App and able to connect to any existing Beyond cold chain management system. PQS price includes BC141 hardware integrated to every refrigerator.

ColdCloud subscription services are an optional extra cost that can be added at purchase or retrospectively, and remotely activated without additional installation costs. For more information contact Dulas Ltd.

Integrated PCM internal lining used as part of Dulas Freeze Free technology. PCM lining complies with WHO/PQS/E005/PCMC0.1 specification.

Comments:**Accessories:**

Always on temperature display; Audible and visual temperature alarms with high and low alarms aligned with WHO limits; 120 days local data storage; 30-day report of temperature history available as a pdf by scanning QR code on refrigerator; Handle with in-built lock; Instruction manual; Replaceable lid gaskets; Stacking baskets (4).

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.

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Shipping volume:	1.2 m3	Shipping weight:	170 kg
Price year	2023	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, 2024</i>

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.