



E003:

Refrigerators and freezers

PQS code:	E003/078
Type of appliance:	Solar direct drive refrigerator
Manufacturer's reference:	VC50SDD
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)	97.5 x 100 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)	52.5 litres	Gross volume (Liters):	
Gross volume (Liters):	82 litres	Waterpack freezing capacity:	
		Waterpack storage capacity:	
Autonomy as per WHO/PQS protocols	74hrs 15mins	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; Basket.

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.

Shipping volume: 1.02 m3 **Shipping weight:** 129 kg**Price year** 2023 **Incoterms** EXW**Price** >100 units €3,025.00 per complete system

Quality standard: - ISO 9001:2008 - ISO 14001 **Specification ref.**
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Verification report: 300-KLAB-16-147 **Verification laboratory:** Danish Technological Institute

Current PQS status: *pre-qualified: 04 Oct 2016* **Validity until:** *May, 2024*

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.