



## E003: Refrigerators and freezers



<b>Product name:</b>	CFD-50 SDD
<b>IMD-PQS Code:</b>	E003-098
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	19 Oct 2018
<b>Appliance type:</b>	E003
<b>Product description:</b>	Solar Direct Drive Refrigerator
<b>Manufacturer:</b>	Qingdao Aucma Global Medical Co.,Ltd.
<b>Manufacturers Reference:</b>	CFD-50 SDD
<b>Country of Manufacture:</b>	China
<b>Address:</b>	315 Qianwangang Road, Economic & Technological Development Zone, Qingdao, China China
<b>Telephone:</b>	+86 532 86763602
<b>Email:</b>	<a href="mailto:lishouda@aucma.com.cn">lishouda@aucma.com.cn</a>
<b>Website address:</b>	<a href="http://www.aucmamedicalglobal.com">www.aucmamedicalglobal.com</a>
<b>Valid until:</b>	31 Dec 2025

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Climate zone</b>	Hot	<b>Freeze protection</b>	Grade A
<b>External dimensions length (mm)</b>	655.00	<b>External dimensions width (mm)</b>	545.00
<b>External dimensions height (mm)</b>	1588.00	<b>Performance at" (°C)</b>	43.00
<b>Fuel and refrigeration cycle</b>	Electric - compression	<b>Energy source</b>	Solar direct drive; Electric Mains 115/60Hz; Electric Mains 220-240V 50/60Hz or Electric Mains 115/60Hz optional
<b>Lining</b>	Regular	<b>Energy Consumption Cool Down (kWh/24h)</b>	0.7750
<b>Energy Consumption Continuous Power (kWh/24h)</b>	0.7180		

### PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

<b>Refrigerator vaccine storage capacity(L)</b>	50.000	<b>Refrigerator's gross volume (Litres)</b>	68.000
<b>Autonomy (hrs:mn)</b>	120	<b>Refrigerant type</b>	R600a
<b>Solar radiation ref period (kWh/m2/day)</b>	3.50		

### PRODUCT SPECIFICATIONS - ADDITIONAL FREEZER

<b>Freezer type</b>	N/A
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Comments	"The CFD-50 SDD MetaFridge provides safe, solar-powered vaccine storage for health facilities that have minimal or no mains power, and extreme ambient temperatures. Extensively tested ColdSafe™ thermosyphon technology keeps vaccines cold with no risk of freezing through 5+ day periods with inadequate sunlight. MetaFridge patented technology is licensed for manufacture to Aucma. • Included 3x100W PV modules and universal (roof, ground, pole) PV mounting rack with 20m wiring and 1.5m ground rod. • Included PQS approved energy harvesting outputs with 12V (2A), 2x5V USB (1A), and 3-18V (8A) defined load output options • Integrated 30-day electronic refrigerator temperature logger stores and displays temperature, alarm history and remaining autonomy/holdover time. (PQS prequalified in E006/TR06.3). • Optional remote monitoring module relays key performance metrics to remote users. (Hardware and data services package are PQS prequalified in E006/TR03.2.) Contact manufacturer for additional information. • Includes integrated AC input with voltage range of 90-290V and surge, under, and over voltage protection. Solar power is prioritized if both Solar and AC are connected. • Unit requires the addition of 32 liters of clean water during installation. More information on ColdSafe and other Meta-Fridge technologies is available at <a href="http://www.metafridge.com">www.metafridge.com</a> "		
List of accessories	Universal solar panel mounting kit for ground, pole or roof with required tools and instructions for assembly (pole not included); grounding kit; integrated PQS prequalified 30 DTR; integrated energy harvest control (EHC) module; 2 vaccine storage trays; 3 wire shelves; 2 sets of locks & keys; 1 funnel; documentation;		
List of spare parts, Reference & Price	Included in the UNICEF Supply Division spare parts kit: 1 No. Compressor 1 No. DC fan 1 No. Electronic control unit Other parts are available as spares on request.		
PRICE AND SHIPPING			
Shipping volume (m3)	0.78	Shipping weight (kg)	95.00
Incoterms	EXW	Price 1	1 – 99 units: 3200 USD
Price 2	100 or more units: 3100 USD	Year of base price	2018
QUALITY STANDARD			
Quality Standard	Other	Quality standard (Other)	ISO 9001:2008
Specification Reference	Applicable PQS specification: E003/RF05.5 Applicable PQS VP(s): E003/RF05-VP.4		
VERIFICATION			
Verification Laboratory	CHEARI	Address	#29 Xia Jie Street, Xuan Wu district Beijing 100053 R. P. de Chine China
Phone	+86 1063162443	Email	gongcx@cheari.com
Verification Report Reference	WB-18-430		
PRODUCT SITES			
Organization name	Qingdao Aucma Global Medical Co.,Ltd.		
Address	315 Qianwangang Road, Economic &Technological Development Zone, Qingdao, China China		
Current PQS status:	Prequalified	Valid until:	31 Dec 2025

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