



## E003: Refrigerators and freezers



<b>Product name:</b>	<b>Emvolio Plus</b>
<b>IMD-PQS Code:</b>	E003-134
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	26 Sep 2023
<b>Appliance type:</b>	E003
<b>Product description:</b>	Transportable, powered vaccine storage appliances
<b>Manufacturer:</b>	BlackFrog Technologies Private Limited
<b>Manufacturers Reference:</b>	Emvolio Plus
<b>Country of Manufacture:</b>	India
<b>Address:</b>	#4, 4th Floor, Advanced Research Center, Behind MMMC, Madhav Nagar, Manipal Udupi Karnataka India
<b>Telephone:</b>	+918202572478
<b>Email:</b>	<a href="mailto:info@blackfrog.in">info@blackfrog.in</a>
<b>Website address:</b>	<a href="http://blackfrog.in/">http://blackfrog.in/</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Climate zone</b>	Hot	<b>Minimum rated ambient temperature (°C)</b>	10.00
<b>Freeze protection</b>	Grade A	<b>Hold over time (hours:mn)</b>	12
<b>External dimensions length (mm)</b>	300.00	<b>External dimensions width (mm)</b>	200.00
<b>External dimensions height (mm)</b>	410.00	<b>Appliance tested at (°C)</b>	43.00
<b>Performance at" (°C)</b>	43.00	<b>Fuel and refrigeration cycle</b>	Electric- Thermoelectric
<b>Energy source</b>	110-240V 50/60Hz	<b>Energy Consumption Cool Down (kWh/24h)</b>	0.9000
<b>Energy Consumption Continuous Power (kWh/24h)</b>	0.8400		

### PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

<b>Refrigerator vaccine storage capacity(L)</b>	1.550	<b>Refrigerator's gross volume (Litres)</b>	1.800
<b>Refrigerant type</b>	Cable		

<b>Comments</b>	AC use only. Emvolio is a portable battery-powered active cooled vaccine carrier with an in-built temperature control and regulation. The system is able to store and carry vaccines to remote locations with temperature accountability to retain vaccine effectiveness. a.) The refrigerator comes with a custom-designed backpack that can be easily worn by a health worker or even motorcycle mounted. b.) The refrigerator has an in-built GSM-based IoT system that tracks live vital statistics like temperatures (multiple sensors inside, ambient), location and door opening. This is available for access via an online dashboard that is provided free for the first year's use with the product, following which a yearly subscription charge will be levied for use. Customer supplies SIM card and SMS gateway services. c.) Battery Independence time: 12 HRS 18min
<b>List of accessories</b>	Included in price: - Multipurpose Backpack. - User Manual with warranty terms. - Reset Pin. - 150 W Charger/Adaptor. - Power cord. Optional(Charged extra): - Silicon vial-holder multi-stage (slot size to be determined by the user).
<b>List of spare parts, Reference &amp; Price</b>	- Latch. - Latch Hook. - Hinge Right side. - Hinge Left side. - M3*6. - M3*12. - M4*8. - M3*8. - Charging Port. - Rechargeable Li-Ion Battery. - Silicon Gasket

### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.719	<b>Shipping weight (kg)</b>	11.00
<b>Incoterms</b>	EXW	<b>Price 1</b>	USD 2500 for 1-100 units

<b>Price 2</b>	USD 2400 for 101-500 units	<b>Price 3</b>	USD 2250 for 500+ units
<b>Year of base price</b>	2023		
<b>QUALITY STANDARD</b>			
<b>Quality Standard</b>	ISO 13485;Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>VERIFICATION</b>			
<b>Verification Laboratory</b>	0013X00004MI8OaQAJ	<b>Verification Report Reference</b>	CE-JOB-NDA-22-000949-001
<b>PRODUCT SITES</b>			
<b>Organization name</b>	BlackFrog Technologies Private Limited		
<b>Address</b>	#4, 4th Floor, Advanced Research Center, Behind MMMC, Madhav Nagar, Manipal Udupi Karnataka India		
<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>

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