



E003:

Refrigerators and freezers

PQS code:	E003/134
Type of appliance:	Combined icelined refrigerator/waterpacks freezer
Manufacturer's reference:	Emvolio Plus
Manufactured in:	India
Company:	BlackFrog Technologies Private Limited
Address:	D.No.3-72(E), Korgi Village, Hosmata Post, Kundapura, Karnataka, India - 576231
<i>Telephone:</i>	+918202572478
<i>Email:</i>	mayurshetty@blackfrog.in
<i>Web address:</i>	http://blackfrog.in/

Specifications

Climate zone:	Hot	Min rated ambient temp:	+10°C
Refrigerant:		Energy source:	Electric Mains 220-240V 50/60Hz
Appliance tested at:		Ext dimensions (HxLxD)	300mm
Performance at:	+43°C	Fuel and cycle type:	Electric - absorption

REFRIGERATOR

FREEZER

Freeze protection: Grade A

Vaccine storage capacity: (Litres) 1.55L

Gross volume (Litres): 1.8L

Holdover time (hours): 15mins

Energy consumption, stable running (kWh/24 hours): 0.84kWh/24h

Energy consumption, cool down test (kWh/24 hours): 0.9kWh/24hrs(from battery)

Gross volume: NA

Waterpack freezing capacity: NA

Waterpack storage capacity: NA

Energy consumption during freezing: NA

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.) The refrigerator is a DC-powered appliance but the adaptor provided with the standard package includes an AC adaptor (100-240V). The manufacturer can provide a DC adaptor upon request at cost and provide assistance in integrating with DRE (solar) power sources.

Comments:

Accessories:

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).
- Portable Solar charging setup.
- Portable Powerbank.
- Car charger.

Spare parts (ref, price):

- 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

Shipping volume:	0.0719m3	Shipping weight:	11Kgs
Price year	2023	Incoterms	EXW
Price	USD 2500 for 1-100 units	USD 2400 for 101-500 units	USD 2250 for 500+ units

Quality standard: - ISO 9001:2008 - ISO 13485 **Specification ref.**

Verification report: CE-JOB-NDA-22-000949-001 **Verification laboratory:** Intertek India

Current PQS status: *pre-qualified: 26 Sep 2023* **Validity until:** *May, 2024*

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.