

A Portable Medical-grade Refrigeration System



Emvólio Pro is a portable active cooling (battery-powered) device that will provide a platform for delivery of vaccines and all other biologicals like blood, serums, viral culture which require to be kept strictly between 2°C and 8°C for 12+ hours in the field. The product has been designed in accordance with WHO PQS E003 specifications and conforms to IEC 60601 standards.



LED and Buzzer Alerts



Temperature Indication



Active Cooling



Continuous Operation when plugged in



Portable and Lightweight



IP56 Rated - Dust & Water Resistance



Easy and fast charging



Adaptable to DRE (Solar) applications

Blackfrog Technologies is an ISO 13485:2016 certified manufacturer of Medical Devices.





Adjustable internal chamber -10°C to 20°C

Temperature Range

Accuracy of maintained ±0.5°C

Temperature

Operating Time* 12+ Hours

Operating ambient

Temperature

Up to 100%

-20°C to 65°C

Operating Humidity

< 20 minutes

Initial cool down time**

Dimensions (L x B x H)

30cm x 20cm x 41cm

Weight

6.7 Kg

Payload Capacity

1.8 L

Battery

311Wh Li-ion

Charging Time

4 Hours

IP Rating

IP56

Device Life

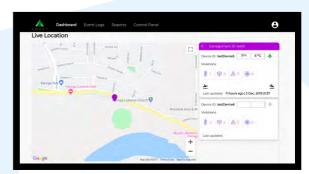
10 Years



^{**}At an ambient temperature of 35°C



Stainless Steel internal chamber for easy sterilization after use



IoT based online dashboard for remote monitoring of parameters



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