

Review/Update

e700 Transport Ventilator Operating Time on a Single Battery Charge.

The Lithium Ion battery used in the e700 transport ventilator provides an exceptionally long operating time when compared to the two main competitive portable ventilators of its type in the market.

Three portable transport ventilators (including the e700) were tested for operating time on a single charge by a world renown University Hospital in Austria and the results clearly showed the superiority of the e700 in terms of battery operating time.

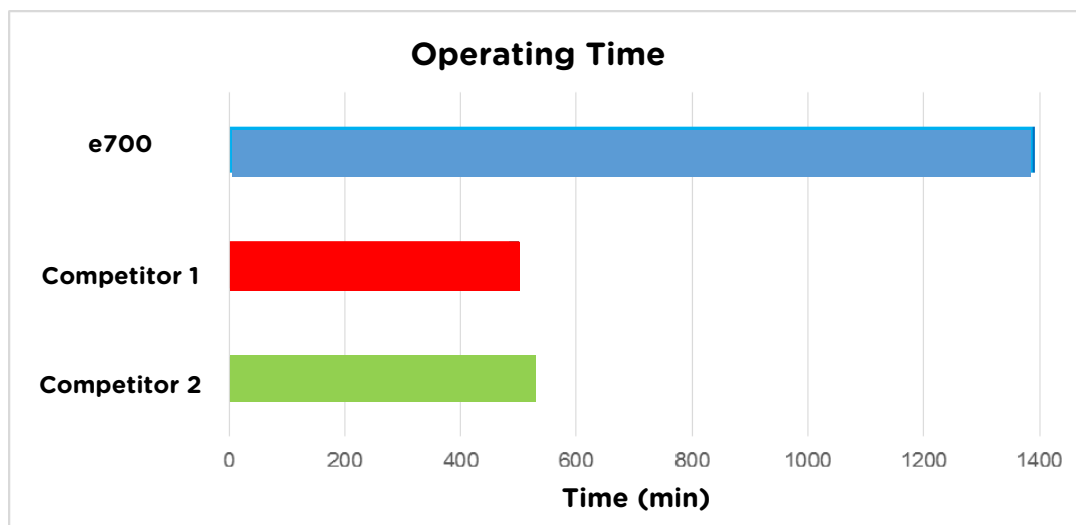
The units were connected to a Michigan Instruments TTL and were all set with the following operating conditions:

| | |
|-----------------------|---|
| Ventilation Mode | e700 - A/C V. Competitor 1 - VC-CMV Competitor 2 - IPPV |
| Tidal Volume | 500ml |
| PEEP | 5 cm H ₂ O |
| Ventilation Frequency | 12/min |
| FiO ₂ | 60% |
| I:E Ratio | 1:2 |
| Lung Compliance | 0.08 L/cmH ₂ O |
| Lung Resistance | Rp5 |

The three ventilators were allowed to run until they stopped cycling.

Results:

| | |
|----------------------|-------------------------|
| e700: | 22 hours and 21 minutes |
| Competitor 1: | 8 hours and 45 minutes |
| Competitor 2: | 8 hours and 21 minutes |



Conclusion:

The e700 ventilator operates **2.5 times longer** on a single battery charge when compare to its nearest competitors.