

Battery Comparison

e-motion[®]
M12





Vs.



e-motion[®]
M15



<i>Features</i>	<i>E.motion M12/M11</i>	<i>E.motion M15/M14</i>	<i>Benefit</i>
BATTERIES	Nickel metal hydride (NiMH) 6.0 Ah / Set 	Lithium-Ion Technology 13.0 Ah / Set 	<i>Li-Ion is most up to date technology. First power-assist on the market with Li-Ion batteries. Proven lasting technology (laptops, power tools, cell phones etc.)</i>
BATTERY RANGE	Up to 6 miles on a full charge.	Up to 16 miles on a full charge.	<i>Longer range = more independence and ease of mind.</i>
BATTERY LONGEVITY	Approx. 600 charging cycles (1 - 1.5 years) .	Approx. 1200-1400 charging cycles (3 - 5 years). 85% of total capacity after 1000 charging cycles.	<i>Less maintenance, less cost over lifetime of system, more economically and environmentally friendly.</i>
REPLACEMENT PERIOD	Expect to replace NiMH every 1 - 1.5yrs. Total of 3 - 5 replacements over the 5yr life of the M12 system.	Expect to replace Li-Ion 0-1 time over the 5 yr life of the M15 system.	<i>Less maintenance, less cost over lifetime of system, more economically and environmentally friendly.</i>
OPERATING MAINTAINANCE COST OF BATTERIES OVER A 5 YEAR PERIOD	Refurbish: \$900.00 per pair Price x 3x - 5X \$900.00 = \$2700.00 - \$4500.00 New: \$1200.00 per pair Price x 3x - 5x \$1200.00 = \$3600.00-\$6000.00	New: \$1500.00 per pair Price x 0x - 1x \$1500.00 = \$0 - \$1500.00	<i>Major reduction of battery operating cost with the Li-Ion.</i>

The above statements are based on information from the manufacturer Ulrich Alber, GmbH.
 Battery performance varies based on usage and care of system, users weight, power level and terrain.