



How Long do Lithium Golf Cart Batteries Last?

Unveiling its Lifespan -

3 Cost Considerations When Choosing a Lithium Battery -

let's break down the detailed cost and savings when comparing the initial investment in lithium-ion batteries versus their long-term savings:

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Initial Investment:

Lithium-ion Batteries Cost (2018): \$181 per kilowatt-hour

Higher upfront cost compared to lead-acid batteries.

Represents a significant drop from \$7,500 per kilowatt-hour in 1991.

Despite the high initial cost, lithium-ion batteries are favored for their efficiency, longevity, and performance.

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Long-Term Savings:

Decrease in Price: Lithium-ion battery costs have dropped 97% over three decades, making them increasingly accessible.

Longevity: Lithium-ion batteries have a longer lifespan than lead-acid batteries. This longevity means fewer replacements are needed over time, contributing to cost savings.

Efficiency: Higher energy density than lead-acid batteries, meaning they can store more electricity in the same amount of space. This efficiency leads to savings in the energy storage system's overall footprint and operational costs.

Maintenance: Requires less maintenance compared to lead-acid batteries, further reducing long-term costs.

Environmental Impact: Although not a direct financial saving, lithium-ion batteries have a smaller environmental footprint over their lifecycle compared to lead-acid batteries. Th

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