



Golf Cart Battery Range Guide

6-Passenger Lithium Battery · Estimated Real-World Range by Configuration

BATTERY ENERGY CAPACITY

48V · 105Ah	48V · 150Ah	72V · 105Ah	72V · 150Ah
5.0 kWh	7.2 kWh	7.6 kWh	10.8 kWh

ESTIMATED RANGE BY CONDITIONS

Conditions	48V · 105Ah	48V · 150Ah	72V · 105Ah	72V · 150Ah
Flat Terrain Light Load	45–50 mi	65–72 mi	50–60 mi	72–80 mi
Mixed Terrain Typical Load	35–45 mi	50–65 mi	40–55 mi	58–72 mi
Hills / Inclines Full 6-Passenger Load	25–35 mi	38–50 mi	30–40 mi	45–58 mi

● Best Range

● Moderate Range

● Reduced Range

KEY INSIGHTS

48V Systems	Run at 15–18 mph — lower speed means better efficiency per mile. Great for flat community driving.
72V Systems	Run at 20–25 mph — more power, torque, and hill-climbing ability. Slight increase in energy use per mile.
48V 150Ah vs 72V 105Ah	Nearly identical total energy (7.2 vs 7.6 kWh) and similar range — but the 72V delivers superior performance.
72V 150Ah	The top-of-the-line configuration. Nearly 2× the range of a 48V 105Ah. Ideal for heavy use, events, or all-day driving.
SW Florida Conditions	Mostly flat terrain means most customers can expect the upper end of Flat / Typical range estimates.

FACTORS THAT AFFECT REAL-WORLD RANGE

◆ Passenger weight — 6 full-size adults is the single biggest load factor

◆ Terrain — hills and inclines can reduce range by 20–30%

◆ Speed — running at top speed uses significantly more power than cruising

◆ Accessories — premium audio, lighting, and climate features draw additional power

◆ Temperature — lithium batteries perform reliably in Florida heat year-round

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