

T105 Life Expectancy

A Trojan T-105 battery's life expectancy varies greatly by usage, but in demanding renewable energy or golf cart applications, expect around **3-5 years** or **1,200 cycles** at 50% depth of discharge (DoD), depending heavily on maintenance, temperature, and consistent charging. Proper watering (using the HydroLink system) and avoiding extreme temperatures are crucial for maximizing its lifespan.

Key Factors for Life Expectancy:

Battery_Type: Flooded (Lead-Acid)

Depth of Discharge (DoD): Lower DoD (e.g., 50%) extends cycle life significantly.

Maintenance: Keeping water levels correct (flooded) and ensuring full charges are crucial.

Usage: Heavy use (frequent deep discharges) shortens life, while lighter use prolongs it.

Estimated Lifespan:

Trojan T-875 (Flooded):

Expect around 1,200 cycles at 50% DoD, often lasting 3-5 years with good maintenance.

To Maximize Life:

Check electrolyte levels regularly and top off with distilled water to cover plates.

Keep batteries fully charged, even after short uses.

Avoid Over-Discharge: Don't let the battery voltage drop too low