

LEAD ACID BATTERIES VS LITHIUM BATTERY

Advantages of Lead Acid

- Lower Upfront cost- Lower initial purchase price
- Proven Technology- Well-established and reliable technology

Disadvantages of Lead Acid

- Shorter Lifespan- Half the life of lithium; Need to be replaced more frequently
- Heavy Weight- 4 to 6 batteries; Can negatively impact golf cart performance and handling
- More Maintenance- Require regular checking and maintenance, including adding water
- Slower Charging- Can take 8-10 hours to fully charge
- Inconsistent Power- Can experience performance dehydration as they discharge
- Limited Usable Capacity- Only provide about 50% of their capacity

Advantages of Lithium

- Longer Lifespan- Can last 7-10 years or more, providing 2,000 to 5,000 charge cycles
- Light Weight- Only one battery pack
- No Maintenance
- Faster Charging- Can reach full charge in 4 hours
- Consistent Power- Provide consistent power output throughout entire discharge cycle
- Higher Usable Capacity- Offer close to 100% of usable capacity

Disadvantages of Lithium

- Higher Initial Cost