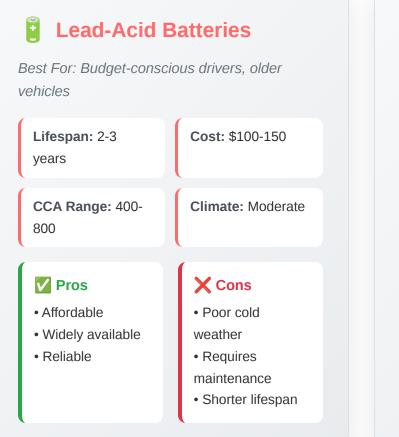
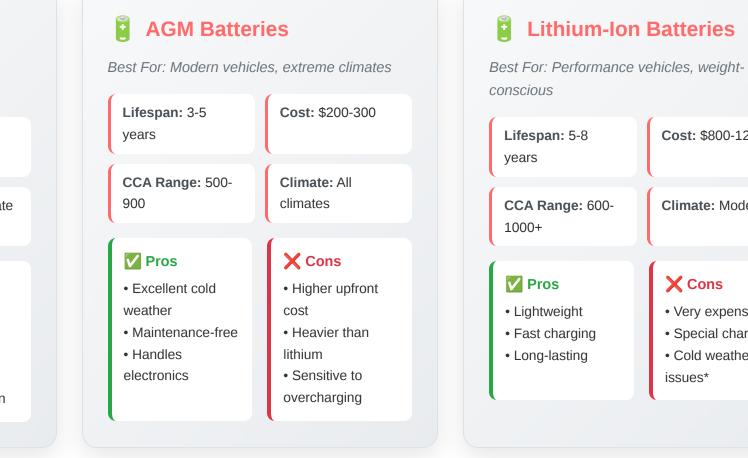
# **Car Battery Types**

Your Complete Quick Reference Guide

## **Battery Type Comparison**





Cost: \$800-1200

Climate: Moderate\*

X Cons

issues\*

• Very expensive

• Special charging

Cold weather

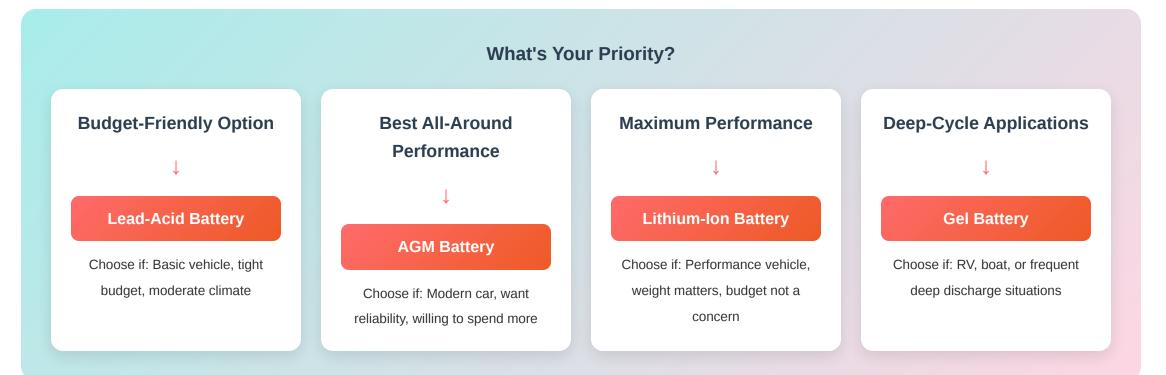
### **Gel Batteries**

Best For: Deep-cycle applications, marine/RV

<b>Lifespan:</b> 4-6 years	<b>Cost:</b> \$300-400		
<b>CCA Range:</b> 300-700	Climate: All climates		
Pros	X Cons		
<ul><li>Pros</li><li>Deep discharge</li></ul>	Cons <ul> <li>Slow charging</li> </ul>		
-			
• Deep discharge	• Slow charging		
• Deep discharge resistant	<ul><li>Slow charging</li><li>Overcharge</li></ul>		

#### l

## **Quick Decision Tree**



### **Maintenance Checklist**

Monthly Checks	
Visual inspection for cracks/leaks	Look for corrosion buildup
Check terminal connections	Test voltage (12.6V when off)
Seasonal Maintenance	
Clean terminals with baking soda	Check mounting hardware
Apply terminal protectant spray	Test battery under load

## **Cost Analysis Calculator**

Calculate Your True Battery Cost

Lead-Acid	AGM	Lithium-Ion	Gel
Initial Cost (\$)	Initial Cost (\$)	Initial Cost (\$)	Initial Cost (\$)
Expected Life: 2.5 years Cost/Year: \$0	Expected Life: 4 years Cost/Year: \$0	Expected Life: 6.5 years Cost/Year: \$0	Expected Life: 5 years Cost/Year: \$0

### Warning Signs

- 1 Time to Replace Your Battery When You Notice:
- Slow engine cranking
- Dim headlights when idling
- Dashboard warning lights
- Battery age over 3 years
- Frequent jump-starts needed
- Swollen battery case

## **Troubleshooting Guide**

#### 🔧 Car Won't Start

#### Check:

- Battery voltage (should be 12.6V)
- Terminal connections
- Corrosion on terminals
- Age of battery

### 🔧 Dim Lights

#### Check:

- Alternator output
- Battery load test
- Electrical connections
- Parasitic draw

### 🔧 Frequent Jump-Starts

#### Check:

- Battery capacity
- Charging system
- Parasitic drain
- Driving habits

#### $\ensuremath{\mathbb{C}}$ 2025 Car Battery Guide - Keep this reference handy in your vehicle!

Print this guide and keep it in your glove compartment for easy reference