

Battery Cable Sizes and Their Applications

Choosing the correct battery cable size helps ensure safe power delivery, reduces voltage drop, and improves system performance. This chart summarizes common battery cable sizes, their typical current ranges, and popular applications for automotive, marine, RV, inverter, and industrial electrical systems.

Cable Size	Typical Current Range	Common Applications
10 AWG	Up to 30 Amps	Small accessories
8 AWG	40–60 Amps	Small inverters
6 AWG	60–100 Amps	Medium battery systems
4 AWG	100–150 Amps	Cars, RVs
2 AWG	150–200 Amps	Boats, winches
1 AWG	200–250 Amps	Heavy-duty vehicles
1/0 AWG	250–350 Amps	Large inverters
2/0 AWG	350–400 Amps	Battery banks
4/0 AWG	400–600+ Amps	Industrial equipment