

## HOW TO PROPERLY MAINTAIN YOUR WHEELCHAIR BATTERY

One of the most important things you can do to improve the performance of your wheelchair over time is to charge it regularly and completely. Wheelchair batteries don't require maintenance since they are sealed. However, they do require care in order to work well and reliably power your wheelchair.

**Batteries need to be charged often.** Charge you wheelchair every night. There is no benefit to running down the battery, the farther the battery is used, the fewer times it will be able to carry out a full discharge and recharge cycle.

**Batteries need to be charged completely.** The time it takes to recharge a battery varies depending on usage and the size of the charger. For example, if your battery is still in the "green" range, it may only take eight hours to recharge. One of the best ways to charge batteries is to do it when you are not using your wheelchair during the day.

**Avoid keeping your batteries in extreme temperatures.** Wheelchairs should not be stored in a garage that is not climate controlled as temperature extremes can cause the lifespan of a battery to run down faster.

### Important:

Sometimes batteries show a residual charging capacity. This can look like the wheelchair is fully charged, but then it quickly gets low on power due to the wrong charge levels. Charge longer to solve this issue.

Bear in mind that **the minimum standard is to charge all night, every night.** The longer and more frequent you charge your battery, the better. Take good care of your battery and you'll get reliable performance.

### Disclaimer:

This information is for reference only. Please check manufacturers' charging guidelines for specific products.

The three most important factors that affect charging times are:

1. Amount of the battery capacity used (depth of discharge)
2. Size of the battery
3. Amperage of the charger

#### Note:

The table below shows some rough estimates of charging times for some of the common combinations used in power wheelchairs.

Charge times are an approximation and are used as a guideline only.

There may be fluctuations in charge time based on operating conditions.



Battery Type	Charger Amperage			Charge State
	3 amp	5 amp	8 amp	
U1	8 - 12 hrs	4 - 5 hrs	3 - 4 hrs	Green 70% or above
	12 - 14 hrs	5 - 6 hrs	4 - 5 hrs	
	14 - 17 hrs	6 - 11 hrs	5 - 7 hrs	
22		8 - 12 hrs	4 - 5 hrs	Yellow 30% or above
		12 - 14 hrs	5 - 6 hrs	
		14 - 16 hrs	6 - 11 hrs	
34		9 - 12 hrs	5 - 6 hrs	Red 30% or less
		13 - 15 hrs	6 - 8 hrs	
		15 - 17 hrs	8 - 10 hrs	
24			8 - 12 hrs	Red 30% or less
			12 - 14 hrs	
			14 - 16 hrs	
Recommended Charge Time				