

# What affects a leisure battery's performance?



## Temperature

Colder temperatures affect the performance of batteries. The amp hours rating, stated on the battery is based on a temperature of 25C, each degree lower causes a 1% drop in performance. For example, a 110Ah battery operating in 15C temperature will actually perform as a 100Ah.



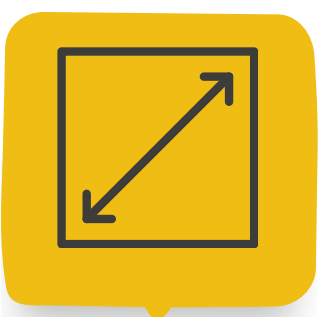
## Age

Most batteries will not last more than around five years due to a decrease in performance over time.



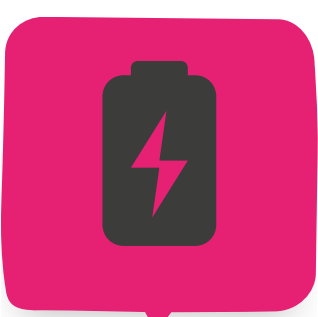
## Consumption

If a high number of appliances are run from a battery, it will discharge quicker and therefore need to be recharged more often. This frequent recharging will cause the battery to degrade sooner.



## Size

The more appliances you need to run, and the more power-hungry those appliances are, the bigger your leisure battery will need to be. For example, a motor mover will require a large battery and if you travel in the colder weather there could be a reduction in performance.



## Discharge Rate

The Ah rating provided by the manufacturers of batteries normally assumes a discharge time of 20 hours. The capacity will normally be provided at two or three different levels, such as 105Ah at a 100 hour rate, 95Ah at a 20 hour rate and 80Ah at a 5 hour rate.

## Recharging

While all of these will influence the performance of the battery, it is important to remember that there are countless other factors at play. It is best to assume you will need to recharge your leisure battery sooner than calculations may suggest.