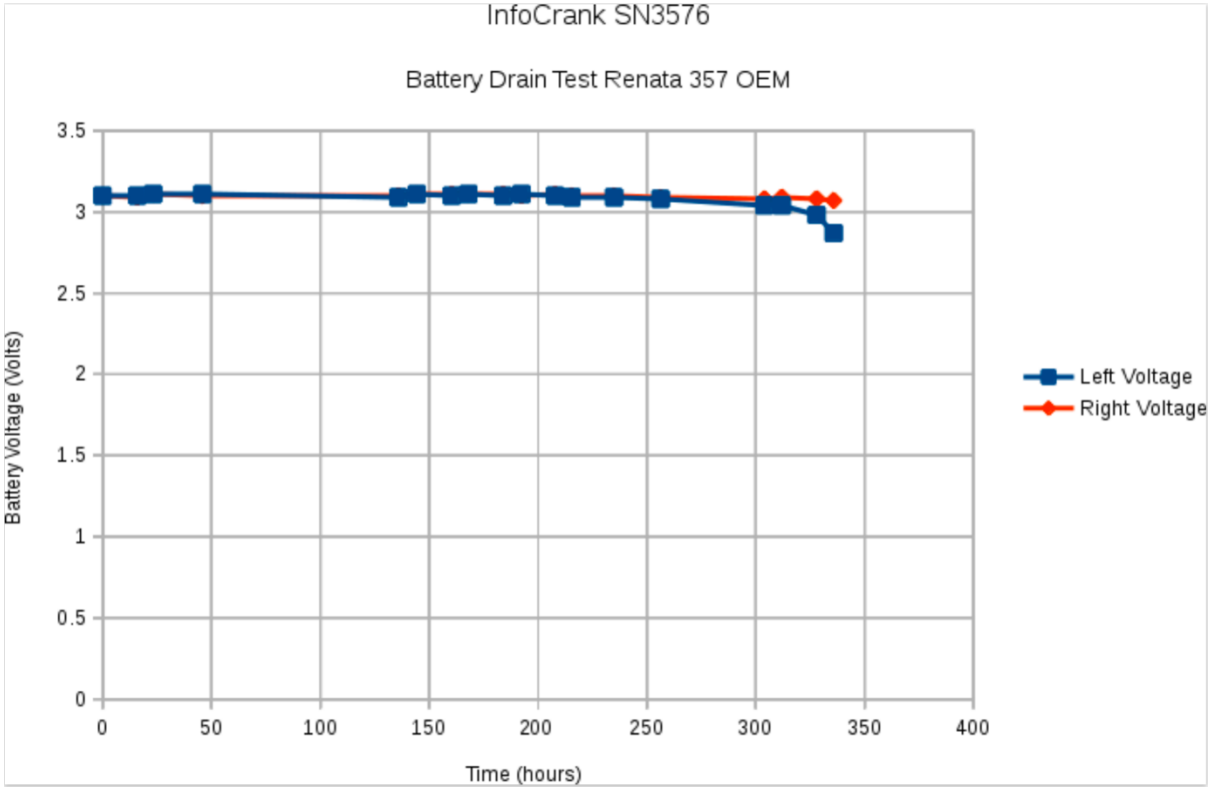
Battery Drain Test ` July 2019

Recently a battery drain test was run on a crank that was exhibiting symptoms on “chewing through batteries”. This test was conducted in Perth, Australia under the watchful eye of our Chief Engineer.



This crank has .206 firmware onboard and therefore runs without magnets. This was a continuous running test and our Chief Engineer made the following comments to our customer.

“Under normal use, you can expect less run hours due to the battery drain while in standby mode. The following chart can be used as a guide:

Usage per week (hours)	Weekly Drain (mAh)	Expected life (weeks)	Running Time (hours)
0	2.82	63.78	0
1	3.34	53.87	53.87
2	3.86	46.62	93.24
5	5.42	33.22	166.1
10	8.01	22.46	224.59
15	10.61	16.96	254.46
20	13.21	13.63	272.58
25	15.8	11.39	284.75
30	18.4	9.78	293.49

We found no abnormal behaviour to suggest there is excessive battery drain in your crankset.

There is no evidence of water or contact damage that could explain a short battery life.

Unfortunately, we have found the quality of retail silver oxide (and alkaline) batteries to be highly variable. The batteries we supply are well suited to InfoCrank as they maintain full operating voltage until nearly empty.”