

Cycle	-	1	2	3	4	5	6	7	8
Date	-	2020-08-03	2020-08-04	2020-08-04	2020-08-05	2020-08-08	2020-08-09	2020-08-09	2020-08-10
Rotor magnets	-	20	20	20	20	20	20	20	20
Gap	mm	12	12	12	12	12	12	12	12
Mode	-	CG	CG	CG	CG	CG	CG	CG	CG
Output battery	ID-type	B (AGM/12Ah)	B (AGM/12Ah)	A (AGM/12Ah)	A (AGM/12Ah)	B (AGM/12Ah)	B (AGM/12Ah)	LA1 (Flooded/24Ah)	LA1 (Flooded/24Ah)
Output voltage @ rest, before/after testing	V	12.74 / 13.05	12.68 / 13.04	12.68 / -	12.56 / 12.86	12.67 / 13.02	12.70 / 13.03	12.75 / 13.00	12.73 / 12.97
Input battery 1	ID-type	X1 (AGM/12Ah)	X1 (AGM/12Ah)	X1 (AGM/12Ah)	X1 (AGM/12Ah)	X1 (AGM/12Ah)	X1 (AGM/12Ah)	X1 (AGM/12Ah)	X1 (AGM/12Ah)
Input voltage 1 @ rest, before/after testing	V	13.2 / 13.0	13.23 / 12.85	13.21 / -	13.17 / 12.84	13.19 / 12.81	13.11 / 12.82	13.12 / 12.72	13.19 / 12.73
Input battery 2	ID-type	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Input voltage 2 @ rest, before/after testing	V	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Input parallel voltage parallell (bat 1 + bat 2)	V	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Input voltage @ end	V	-	-	-	12.38	12.41	12.41	12.33	12.34
Amp @ start	A	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Amp @ end	A	2	1.8	-	2.1	1.8	1.82	1.78	1.78
RPM @ start/end	rpm	209 / 226	205 / 224	230 / -	204 / 218	204 / 224	206 / 225	200 / 221	200 / 223
Time to charge to 15.3V	min	28	37	-	42	43	37.5	62	60
Ah to charge to 15.3V	Ah	1.03	1.30	#VALUE!	1.58	1.51	1.32	2.16	2.09

Remarks

Output battery charged till above 15.3V (around 15.7V), discharged @0.8A, left amp meter on for 22min

After this cycle, during discharge with CBA, very distorted unload patter was show, see CBA measurments 2020-08-04: probably defect battery

I did NOT discharge battery A before starting the run. The battery was already sitting at 12.68V, so assumed it was already 1Ah discharged. Within 4minutes it went to 16V

Low resting voltage before starting the CBA discharge: 12.68V. Stopped cycle after 42minutes, output battery still wasn't much above 14V

stopped after 62min of charging, when output battery was still only at 14.75V. Smelled acid gasses. Since battery was only twice dicharged 2Ah before, it might not get up to

stopped after 60min of charging, when output battery was still only at 14.86V. Smelled acid gasses. Battery is probably still not ready to go up to 15.3V yet.