

## Attachment 2: Charge graph 24Ah FLA battery

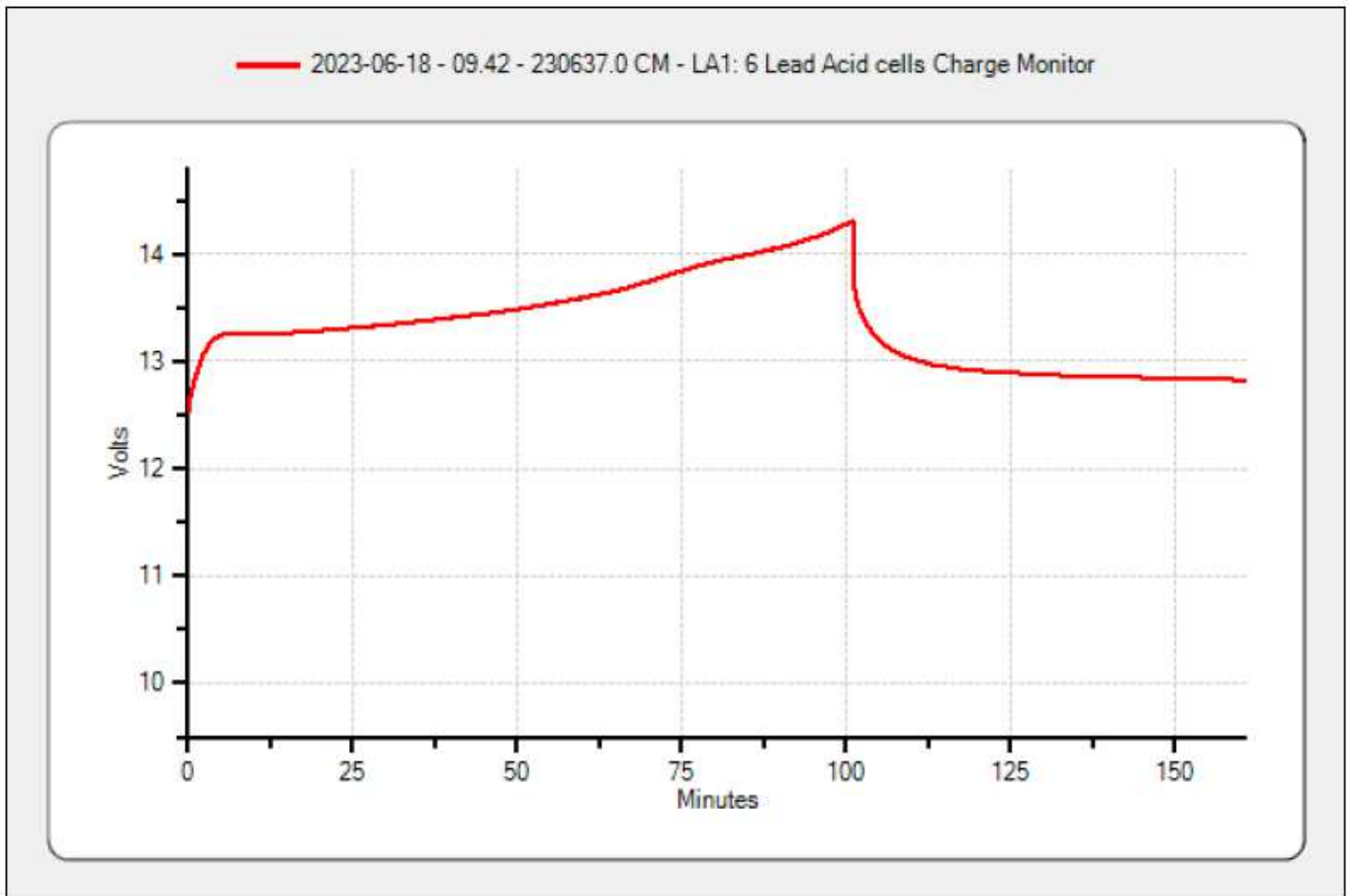
Test ID		230637 CM
Date		2023-06-18
Temp	C	22
Rel. humidity	%	66
Time start		09.4x

<b>Settings</b>			
Active device - ID		STP20N95K5 - 1	
Peak voltage on scope +/-		V	1440
Frequency		Hz	105
Coil Core		weld rods	
Coil induct. / coil		mH	267
Duty cycle		%	50
When discharged		yesterday evening	
AH discharged		1	
Amp meter		DMM - 1	
<b>Input</b>			
Source		PSU - 1	
Voltage		V	12
amp draw @ x min			
count	1 min / 5min PSU	A	1.55
1	5	A	1.5
2	10	A	1.5
3	15	A	1.5
4	20	A	1.49
5	25	A	1.49
6	30	A	1.48
7	35	A	1.48
8	40	A	1.47
9	45	A	1.46
10	50	A	1.46
11	55	A	1.45
12	60	A	1.44
13	65	A	1.43
14	70	A	1.42
15	75	A	1.4
16	80	A	1.39
17	85	A	1.38
18	90	A	1.37
19	95	A	1.35
20	100	A	1.34
21	105	A	1.33 @ 101min

<b>Output</b>			
Battery		LA1 (FLA/24Ah)	
Battery voltage @ rest before start		V	12.53
Battery target voltage = stop test voltage		V	14.3
Battery voltage after 1h of rest		V	12.81
Stop time CBA		min	101
		-	1H 41min
Stop time CBA (clock)		-	11.23
Amp draw @ +/-60% (=rough av. Amp draw)		A	1.44
Rough Ah to charge to target voltage		Ah	2.42
<b>Rough COP (Ah)</b>		-	<b>0.41</b>
Amp average calculated		A	1.44
Ah to charge to target voltage		Ah	2.42
<b>Rough COP (Ah)</b>		-	<b>0.41</b>

Comments

## West Mountain Radio - CBA



### 2023-06-18 - 09:42 - 230637.0 CM - LA1:

Description: 6 Lead Acid cells Charge Monitor

Started At: 6/18/2023 9:42 AM

Starting Voltage: 12.53 V

Ending Voltage: 12.81 V

Total Time (hh:mm:ss): 02:41:03