

Test ID	230528 CM	230530 CM	230532 CM	230534 CM	230601 CM	230603 CM	230605 CM
Date	2023-05-29	2023-05-29	2023-05-30	2023-05-31	2023-06-01	2023-06-02	2023-06-03
Temp	C 18	18	17	17	17	18	17
Rel. humidity	% 68	64	66	69	69	67	67
Time start	13.41	18.12	17.43	18.26	17.25	13.35	11.01

Settings

Active device - ID	IRF840 - 1	IRF840 - 1	IRF840 - 1	IRF840 - 1	STP20N95K5 - 1	STP20N95K5 - 1	STP20N95K5 - 1
Peak voltage on scope +/-	V 648	648	648	648	1180	1180	1180
Freuquency	Hz 100	100	100	100	100	100	100
Coil Core	weld rods	weld rods	weld rods	weld rods	weld rods	weld rods	weld rods
Coil induct. / coil	mH 267	267	267	267	267	267	267
Duty cycle	% 50	50	50	50	50	50	50

When discharged 1Ah	4 days ago	hours ago / same day	yesterday evening	yesterday evening	yesterday evening	yesterday evening	yesterday afternoon
Amp meter	PSU	PSU	PSU	PSU	PSU	PSU	PSU

Input

Source		PSU	PSU	PSU	PSU	PSU	PSU	PSU
Voltage	V	12	12	12	12	12	12	12
Amp draw @ 1 min	A	1.46	1.42	1.46	1.45	1.57	1.55	1.58
5	A	1.34	1.33	1.34	1.33	1.5	1.49	1.51
10	A	1.33	1.32	1.33	1.32	1.49	1.49	1.52
20	A	1.32	1.32	1.32	1.32	1.5	1.49	1.51
25	A	1.32	1.32	1.32	1.32	1.5	1.49	1.51
35	A	1.31	1.31	1.32	1.32	1.49	1.48	1.5
45	A	1.3	1.31	1.31	1.31	1.48	1.47	1.49
55	A	1.29	1.3	1.31	1.31	1.47	1.46	1.48
60	A	1.28	1.29	65-1.3 / 70-1.29	1.3	1.46	1.45	1.47
75	A	1.26	1.28	1.29	1.28	1.41	1.41	1.42
80	A	1.24	1.27	1.28	1.28	1.4	1.4	1.41
85	A	1.22	1.26	1.27	1.27	1.38	1.38	1.39
90	A	-	1.25	1.25	1.25		1.36	1.37
95	A	-	1.24	1.24	1.24			
100	A	-	1.22	1.23	1.23			
105	A	-	1.21		1.22			

LA1 (FLA/24Ah)

VMF - 52805 12N24, 24Ah 293A(EN)

https://www.uw-accuwinkel.nl/nl/?option=com_virtuemart&view=productdetails&virtuemart_category_id=14&virtuemart_product_id=1747&Itemid=636

Output

Battery		LA1 (FLA/24Ah)	LA1 (FLA/24Ah)	LA1 (FLA/24Ah)	LA1 (FLA/24Ah)	LA1 (FLA/24Ah)	LA1 (FLA/24Ah)	LA1 (FLA/24Ah)
Battery voltage @ rest before start	V	12.55	12.5	12.53	12.53	12.53	12.5	12.52
Battery target voltage = stop test voltage	V	14.3	14.3	14.3	14.3	14.3	14.3	14.3
Battery voltage after 1h of rest	V	12.84	12.84	12.84	12.84	12.83	12.83	12.83
Stop time CBA	min	86	106	101	105	89	94	91
	-	1H 26min	1H 46min	1H 41min	1H 45min	1H 29min	1H 34min	1H 31min
Stop time CBA (clock)	-	15.06	19.58	19.24	20.11	18.54	15.09	12.32
Amp draw @ +/-60% (=rough av. Amp draw)	A	1.29	1.29	1.31	1.3	1.47	1.46	1.48
Rough Ah to charge to target voltage	Ah	1.85	2.28	2.21	2.28	2.18	2.29	2.24
Rough COP (Ah)	-	0.54	0.44	0.45	0.44	0.46	0.44	0.45