

BATTERY REGENERATION REPORT



Bagian Yang Harus Diisi

Regeneration Test Information

Test Start Date	12/21/2010	(example: 01 Januar
Time		(example: 09:00 AM
Battery Vendor	Emerson	(example: BSB / SU
Battery Type	Gel	(example: AGM / Ge
Battery model	T12V165SEF/A	(example: SWG1210
Battery Volt (1 battery)	12V	(example: 2V / 12V e
Battery Current (1 battery) (at C10, 20/25°C)	165Ah	(example: 100Ah, 20
Customer / Owner of Battery	Esia Jakarta	(example: Indosat Ja

Charging

Using Rectifier with charging current		(example: 50A, 20A
Number of battery charged at once:		(example: 1 battery /
Total actual hour		(example: 12 hour)
Total actual minute		(example: 30 minute)

Before Regeneration

Discharge Using?	Dummy load	(example: dummy lo
Cut Off Voltage for discharging	10.8	(example: 10.75V / 1
Discharging current	53 A	(example: 20A / 30A
Target discharging hour (based on discharging current)	2jam 30 menit	(example: "2 hours" (
Total actual hour	2jam	(example: 12 hour)
Total actual minute	15 menit	(example: 30 minute)

Battery Serial Number	Internal Resistance	Normal Voltage (berfore discharge)
B06C28073		13.37
B07106107		13.35
B06C28082		13.33
B07106218		13.42

Regeneration Process

Regenerate Date		(example: 01 Januar
Time		(example: 09:00 AM
Using Battery Pattern no:	9	(example 4 / 6 / 9 / 1.

Number of battery regenerated at once:	4	(example: 1 battery /
Total hour	17	(example: 12 hour)
Total minute		(example: 30 minute)
Charging current for regeneration	16,5A	(example: 20A / 30A)
Note		(example: battery pa

After Regeneration

Discharge Using?	dummy load	(example: dummy lo
Cut Off Voltage for discharging	10.8	(example: 10.75V / 1
Discharging current	53A	(example: 20A / 30A)
Target discharging hour (based on discharging current)	2jam 30 menit	(example: "2 hours" (
Total actual hour	2jam	(example: 12 hour)
Total actual minute	30 menit	(example: 30 minute)

Battery Serial Number	Internal Resistance	Normal Voltage (before discharge)
B06C28073	0,004ohm	12.99
B07106107	0,004ohm	12.95
B06C28082	0,004ohm	12.99
B07106218	0,004ohm	13.09

y 2011 etc)
 etc)
 NNYWAY / FIAMM etc)
 I / Front Terminal AGM / OPZV etc)
 100, SOLAR12-90, FAG12-100 etc)
 etc)
 100Ah etc)
 Jawa Tengah, Esia Jakarta etc)

etc)
 ' 2 battery sekaligus / 4 battery sekaligus etc)

)

ad / ZEUS integrated discharger etc)
 0.60V etc)
 / 50A etc)
 (we set discharging current = 50A so 100Ah battery can be discharged at 2 hours))

)

Discharging Hour & Minute						% battery condition (based on discharging results compared with NEW BATTERY CAPACITY)
00.00	03.00	01.00	01.30	02.00	02.15	
12.19	12.04	11.82	11.61	11.3	11.11	90
12.15	12.02	11.81	11.59	11.27	11.06	90
12.16	12.03	11.8	11.56	11.2	10.96	90
12.29	12.17	11.95	11.76	11.52	11.36	90

y 2011 etc)
 etc)
 4 etc)

' 2 battery sekaligus / 4 battery sekaligus etc)

)

/ 50A etc)

nas, bergelembung, muncul error / proses dihentikan N kali etc)

ad / ZEUS integrated discharger etc)

0.60V etc)

/ 50A etc) Tabel battery emerson 3 jam bebannya 43,2 A

(we set discharging current = 50A so 100Ah battery can be discharged at 2 hours))

)

Discharging Hour & Minute							% battery condition (based on discharging results compared with NEW BATTERY CAPACITY)
00.00	03.00	01.00	01.30	02.00	02.30		
12.22	12.1	11.9	11.67	11.37	11.13	100	
12.18	12.07	11.88	11.64	11.33	11.06	100	
12.21	12.09	11.9	11.67	11.37	11.12	100	
12.31	12.21	12.02	11.81	11.54	11.36	100	

BATTERY REGENERATION REPORT

Bagian Yang Harus Diisi

Regeneration Test Information

Test Start Date 1/9/2011 (example: 01 Januari)
Time 9:00 (example: 09:00 AM)
Battery Vendor Fiamm (example: BSB / SUN)
Battery Type Gel (example: AGM / Gel)
Battery model 12XGEL100 (example: SWG1210)
Battery Volt (1 battery) 12V (example: 2V / 12V e)
Battery Current (1 battery) (at C10, 20/25°C) 100Ah (example: 100Ah, 20)
Customer / Owner of Battery Samsung (example: Indosat Ja)

Charging

Using Rectifier with charging current 9A (example: 50A, 20A e)

Before Regeneration

Cut Off Voltage for discharging 10.8 (example: 10.75V / 1)
Discharging current 19,8A (example: 20A / 30A)
Target discharging hour (based on discharging current) 4 jam (example: "2 hours" ()
Total actual minute 52 menit (example: 30 minute)

Battery Serial Number	Internal Resistance	Normal Voltage (before discharge)
2000	4,37mΩ	12.33

Regeneration Process

Regenerate Date 1/14/2011 (example: 01 Januari)
Time 11:00PM (example: 09:00 AM)
Using Battery Pattern no: 14 (example 4 / 6 / 9 / 14)
Total hour 17 (example: 12 hour)
Charging current for regeneration 9A (example: 20A / 30A)
Note panas (example: battery pair)

After Regeneration

Cut Off Voltage for discharging 10.8 (example: 10.75V / 1)
Discharging current 19,8A (example: 20A / 30A)
Target discharging hour (based on discharging current) 4 jam (example: "2 hours" ()

Battery Serial Number	Internal Resistance	Normal Voltage (before discharge)
2000	4,2mΩ	13.11

y 2011 etc)
 etc)
 INYWAY / FIAMM etc)
 I / Front Terminal AGM / OPZV etc)
 100, SOLAR12-90, FAG12-100 etc)
 etc)
 10Ah etc)
 Jawa Tengah, Esia Jakarta etc)

etc)

0.60V etc)
 / 50A etc)
 (we set discharging current = 50A so 100Ah battery can be discharged at 2 hours))

Discharging								
00.00	00.30	00.52	01.30	02.00	02.30	03.00	03.30	03.43
11.89	11.66	10.8						

y 2011 etc)
 etc)
 4 etc)

/ 50A etc)
 nas, bergelembung, muncul error / proses dihentikan N kali etc)

0.60V etc)
 / 50A etc) Tabel battery emerson 3 jam bebannya 43,2 A
 (we set discharging current = 50A so 100Ah battery can be discharged at 2 hours))

Discharging Hour & Minute

00.00	00.30	01.00	01.30	02.00	02.30	03.00	03.30	04.00
12.53	12.26	12.16	12.04	11.92	11.73	11.56	11.38	10.94

		% battery condition (based on discharging results compared with NEW BATTERY CAPACITY)
04.30	05.00	
		21.67%

		% battery condition (based on discharging results compared with NEW BATTERY CAPACITY)
04.30	05.00	
		100%