

# ARTronic®

The art of electronics

**Akü İzleme  
Teknik  
Bilgilendirme  
Semineri**

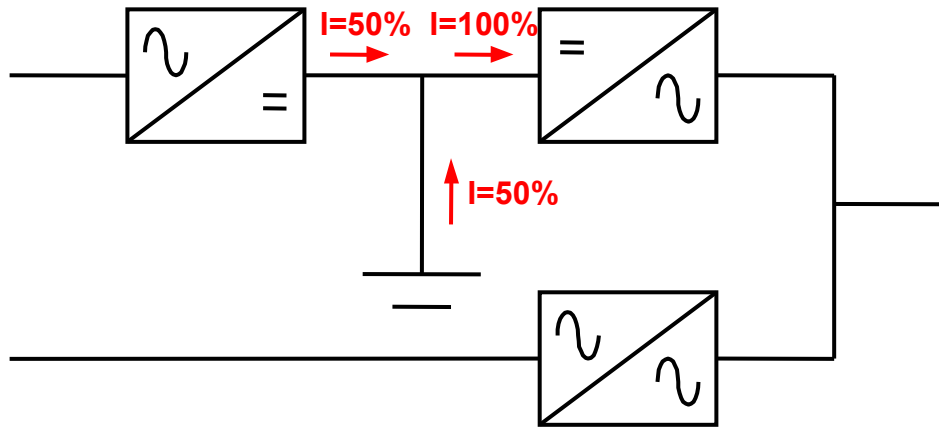
**Dudullu, 2009**



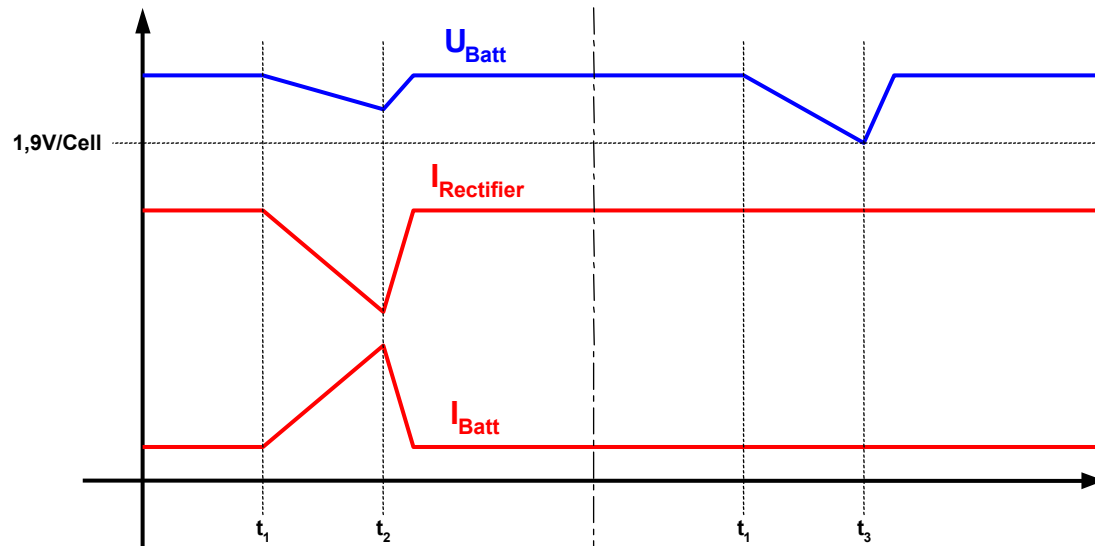
**İşimiz, güç!**  
**[www.artronic.com.tr](http://www.artronic.com.tr)**

- **Akü Şarj devresi Testi (Standart)**  
Her hafta 1 saniye için gerçekleşir
- **Kapasite Testi-1 (Opsiyoneldir-Parametre ile devreye sokulur)**  
aküden sabit akım çekilerek gerilim düşüşü izlenir, gerilim seviyesi kullanıcı tarafından set edilebilir  
(Akü Volt. / Akü akımı / test süresi / aküden çekilen kapasite)
- **Kapasite Testi-2 (Opsiyoneldir-Parametre ile devreye sokulur)**  
inverter üzerinde yük ile akünün durumu izlenir, akü besleme süresi kullanıcı tarafından set edilebilir  
(Akü Volt. / Akü akımı / test süresi / aküden çekilen kapasite)

# Akü Şarj Devresi Testi



Akü İzleme  
Haftada Bir Kez



## Timeschedule:

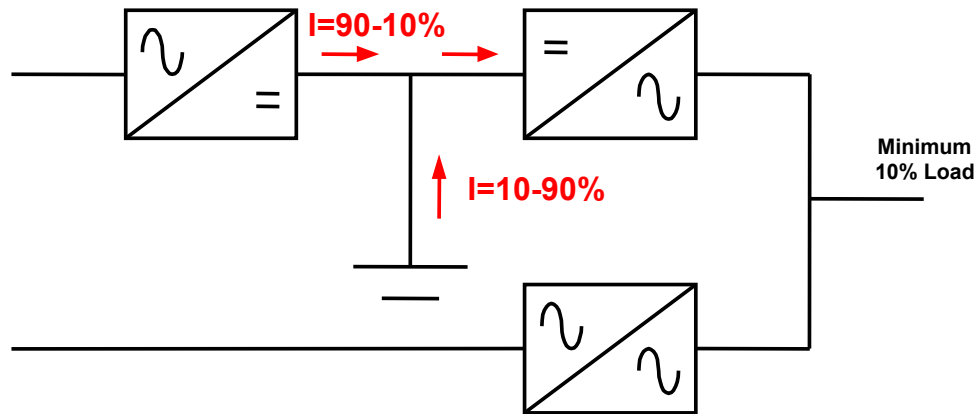
t<sub>1</sub>: start battery circuit monitoring

t<sub>2</sub>: End of test  
battery circuit o.k.

t<sub>3</sub>: End of test  
battery circuit faulty

1,9V/Z: voltage limit  
of fault acknowlegde

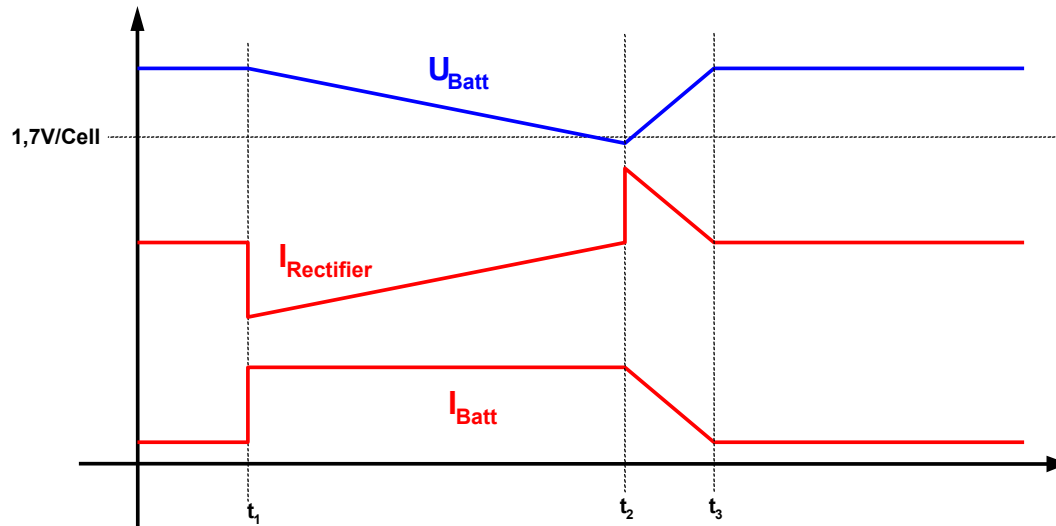
# Akü Kapasite Testi



Akü Kapasite Testi

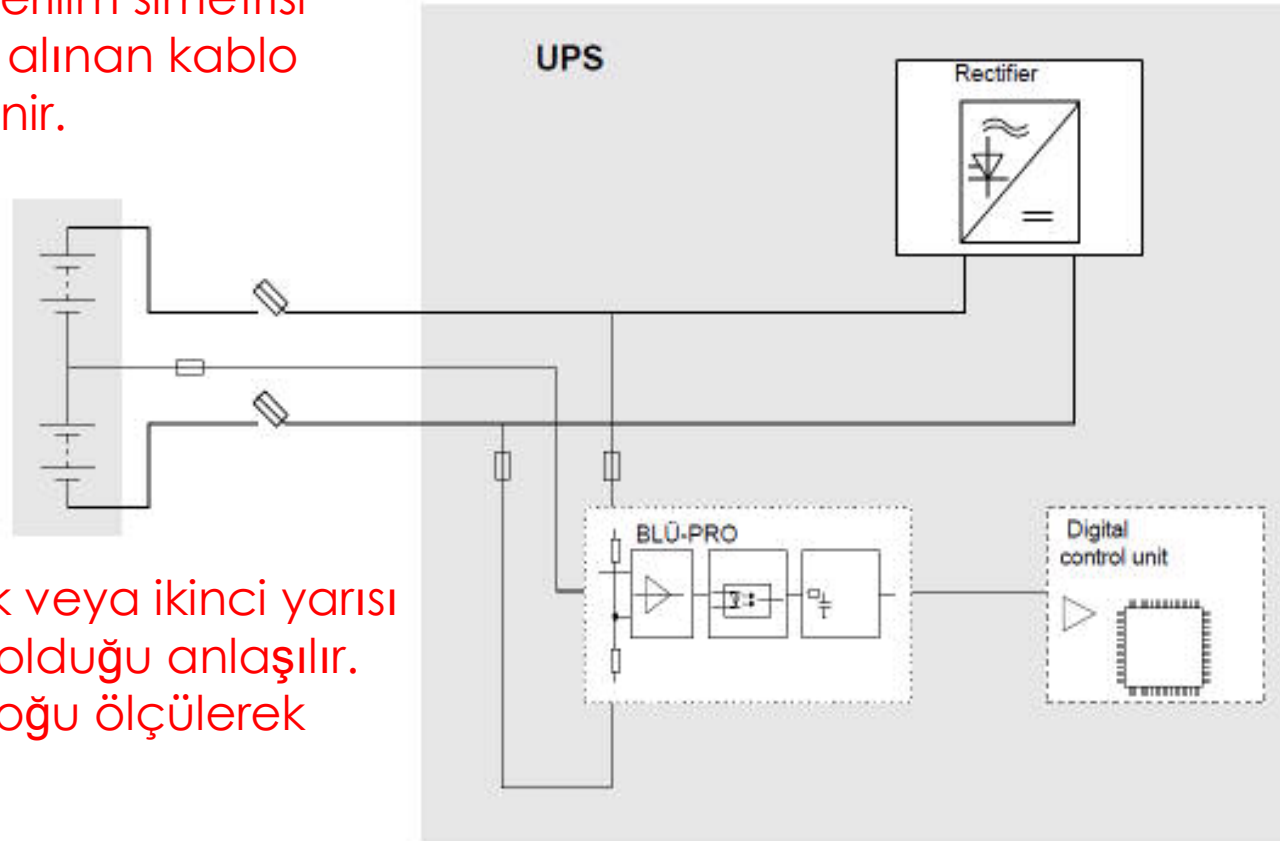
## Timeschedule:

- t<sub>1</sub>: start batterie Cap - Test
- t<sub>2</sub>: End of Cap - Test
- t<sub>3</sub>: End of recharge batterie
- 1,7V/Cell voltage limit



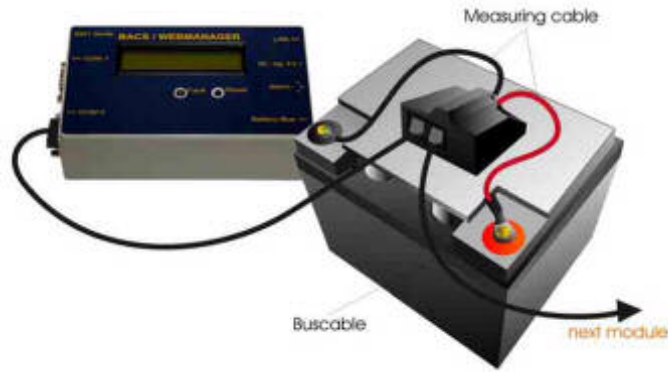
# Akü İzleme Kartı

- Akü grubunun gerilim simetrisi 3 ayrı noktadan alınan kablo bağlantısı ile izlenir.



- Akü grubunun ilk veya ikinci yarısı içinde problem olduğu anlaşılır. Problemlili akü bloğu ölçülerek bulunur.

# Bağımsız Akü İzleme



- Her Akü Bloğu ayrı ayrı izlenir.
- Bilgisayar ekranı üzerinden yazılım ile akü durumu yandaki şekilde görüntülenir

Group 1					Group 2					Group 3				
Bat.	Volt	Temp	Status	Health	Bat.	Volt	Temp	Status	Health	Bat.	Volt	Temp	Status	Health
1	12.8	25	OK	100	1	12.8	25	OK	100	1	12.8	25	OK	100
2	12.8	25	OK	100	2	12.8	25	OK	100	2	12.8	25	OK	100
3	12.8	25	OK	100	3	12.8	25	OK	100	3	12.8	25	OK	100
4	12.8	25	OK	100	4	12.8	25	OK	100	4	12.8	25	OK	100
5	12.8	25	OK	100	5	12.8	25	OK	100	5	12.8	25	OK	100
6	12.8	25	OK	100	6	12.8	25	OK	100	6	12.8	25	OK	100
7	12.8	25	OK	100	7	12.8	25	OK	100	7	12.8	25	OK	100
8	12.8	25	OK	100	8	12.8	25	OK	100	8	12.8	25	OK	100
9	12.8	25	OK	100	9	12.8	25	OK	100	9	12.8	25	OK	100
10	12.8	25	OK	100	10	12.8	25	OK	100	10	12.8	25	OK	100
11	12.8	25	OK	100	11	12.8	25	OK	100	11	12.8	25	OK	100
12	12.8	25	OK	100	12	12.8	25	OK	100	12	12.8	25	OK	100
13	12.8	25	OK	100	13	12.8	25	OK	100	13	12.8	25	OK	100
14	12.8	25	OK	100	14	12.8	25	OK	100	14	12.8	25	OK	100
15	12.8	25	OK	100	15	12.8	25	OK	100	15	12.8	25	OK	100
16	12.8	25	OK	100	16	12.8	25	OK	100	16	12.8	25	OK	100
17	12.8	25	OK	100	17	12.8	25	OK	100	17	12.8	25	OK	100
18	12.8	25	OK	100	18	12.8	25	OK	100	18	12.8	25	OK	100
19	12.8	25	OK	100	19	12.8	25	OK	100	19	12.8	25	OK	100
20	12.8	25	OK	100	20	12.8	25	OK	100	20	12.8	25	OK	100
21	12.8	25	OK	100	21	12.8	25	OK	100	21	12.8	25	OK	100
22	12.8	25	OK	100	22	12.8	25	OK	100	22	12.8	25	OK	100
23	12.8	25	OK	100	23	12.8	25	OK	100	23	12.8	25	OK	100
24	12.8	25	OK	100	24	12.8	25	OK	100	24	12.8	25	OK	100
25	12.8	25	OK	100	25	12.8	25	OK	100	25	12.8	25	OK	100
26	12.8	25	OK	100	26	12.8	25	OK	100	26	12.8	25	OK	100
27	12.8	25	OK	100	27	12.8	25	OK	100	27	12.8	25	OK	100
28	12.8	25	OK	100	28	12.8	25	OK	100	28	12.8	25	OK	100
29	12.8	25	OK	100	29	12.8	25	OK	100	29	12.8	25	OK	100
30	12.8	25	OK	100	30	12.8	25	OK	100	30	12.8	25	OK	100
31	12.8	25	OK	100	31	12.8	25	OK	100	31	12.8	25	OK	100
32	12.8	25	OK	100	32	12.8	25	OK	100	32	12.8	25	OK	100
33	12.8	25	OK	100	33	12.8	25	OK	100	33	12.8	25	OK	100
34	12.8	25	OK	100	34	12.8	25	OK	100	34	12.8	25	OK	100
35	12.8	25	OK	100	35	12.8	25	OK	100	35	12.8	25	OK	100
36	12.8	25	OK	100	36	12.8	25	OK	100	36	12.8	25	OK	100
37	12.8	25	OK	100	37	12.8	25	OK	100	37	12.8	25	OK	100
38	12.8	25	OK	100	38	12.8	25	OK	100	38	12.8	25	OK	100
39	12.8	25	OK	100	39	12.8	25	OK	100	39	12.8	25	OK	100
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46	12.8	25	OK	100	46	12.8	25	OK	100	46	12.8	25	OK	100
47	12.8	25	OK	100	47	12.8	25	OK	100	47	12.8	25	OK	100
48	12.8	25	OK	100	48	12.8	25	OK	100	48	12.8	25	OK	100
49	12.8	25	OK	100	49	12.8	25	OK	100	49	12.8	25	OK	100
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54	12.8	25	OK	100	54	12.8	25	OK	100	54	12.8	25	OK	100
55	12.8	25	OK	100	55	12.8	25	OK	100	55	12.8	25	OK	100
56	12.8	25	OK	100	56	12.8	25	OK	100	56	12.8	25	OK	100
57	12.8	25	OK	100	57	12.8	25	OK	100	57	12.8	25	OK	100
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60	12.8	25	OK	100	60	12.8	25	OK	100	60	12.8	25	OK	100
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65	12.8	25	OK	100	65	12.8	25	OK	100	65	12.8	25	OK	100
66	12.8	25	OK	100	66	12.8	25	OK	100	66	12.8	25	OK	100
67	12.8	25	OK	100	67	12.8	25	OK	100	67	12.8	25	OK	100
68	12.8	25	OK	100	68	12.8	25	OK	100	68	12.8	25	OK	100
69	12.8	25	OK	100	69	12.8	25	OK	100	69	12.8	25	OK	100
70	12.8	25	OK	100	70	12.8	25	OK	100	70	12.8	25	OK	100
71	12.8	25	OK	100	71	12.8	25	OK	100	71	12.8	25	OK	100
72	12.8	25	OK	100	72	12.8	25	OK	100	72	12.8	25	OK	100
73	12.8	25	OK	100	73	12.8	25	OK	100	73	12.8	25	OK	100
74	12.8	25	OK	100	74	12.8	25	OK	100	74	12.8	25	OK	100
75	12.8	25	OK	100	75	12.8	25	OK	100	75	12.8	25	OK	100
76	12.8	25	OK	100	76	12.8	25	OK	100	76	12.8	25	OK	100
77	12.8	25	OK	100	77	12.8	25	OK	100	77	12.8	25	OK	100
78	12.8	25	OK	100	78	12.8	25	OK	100	78	12.8	25	OK	100
79	12.8	25	OK	100	79	12.8	25	OK	100	79	12.8	25	OK	100
80	12.8	25	OK	100	80	12.8	25	OK	100	80	12.8	25	OK	100
81	12.8	25	OK	100	81	12.8	25	OK	100	81	12.8	25	OK	100
82	12.8	25	OK	100	82	12.8	25	OK	100	82	12.8	25	OK	100
83	12.8	25	OK	100	83	12.8	25	OK	100	83	12.8	25	OK	100
84	12.8	25	OK	100	84	12.8	25	OK	100	84	12.8	25	OK	100
85	12.8	25	OK	100	85	12.8	25	OK	100	85	12.8	25	OK	100
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88	12.8	25	OK	100	88	12.8	25	OK	100	88	12.8	25	OK	100
89	12.8	25	OK	100	89	12.8	25	OK	100	89	12.8	25	OK	100
90	12.8	25	OK	100	90	12.8	25	OK	100	90	12.8	25	OK	100
91	12.8	25	OK	100	91	12.8	25	OK	100	91	12.8	25	OK	100
92	12.8	25	OK	100	92	12.8	25	OK	100	92	12.8	25	OK	100
93	12.8	25	OK	100	93	12.8	25	OK	100	93	12.8	25	OK	100
94	12.8	25	OK	100	94	12.8	25	OK	100	94	12.8	25	OK	100
95	12.8	25	OK	100	95	12.8	25	OK	100	95	12.8	25	OK	100
96	12.8	25	OK	100	96	12.8	25	OK	100	96	12.8	25	OK	100
97	12.8	25	OK	100	97	12.8	25	OK	100	97	12.8	25	OK	100
98	12.8	25	OK	100	98	12.8	25	OK	100	98	12.8	25	OK	100
99	12.8	25	OK	100	99	12.8	25	OK	100	99	12.8	25	OK	100
100	12.8	25	OK	100	100	12.8	25	OK	100	100	12.8	25	OK	100

BACS web browser status-screen with impedance, temperature, voltage and bypass of 120 24 Ah batteries.

- Adres

## ARTronic Elektronik Sanayi Mümessilik Tic. Ltd. Şti.

İMES Sanayi Sitesi, D Kapısı Karşısı, Kuru Sokak,  
No:26 Y.Dudullu 34776 İstanbul, TÜRKİYE

- Tel : (216) 365 82 21
- Faks : (216) 420 97 70
- Hotline : (216) 527 09 09
- E-mail : [artronic@artronic.com.tr](mailto:artronic@artronic.com.tr)