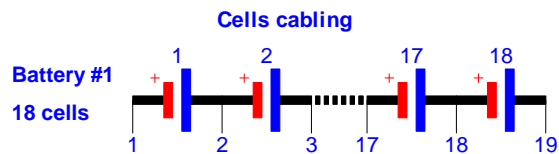




Battery description

Batcat type : **PV99**
Battery : **PMU2**
Battery location :
Battery technology : **Blei**
Group of **6** x cells **flying**
Battery capacity : **40 Ah**
Max load voltage : **2,30 V** Accuracy : **1,0%**
Floating voltage : **2,24 V** Accuracy : **1,0%**
Inversion voltage : **1,60 V**



Test description

Current measure : **None (Average current of 30 A)**

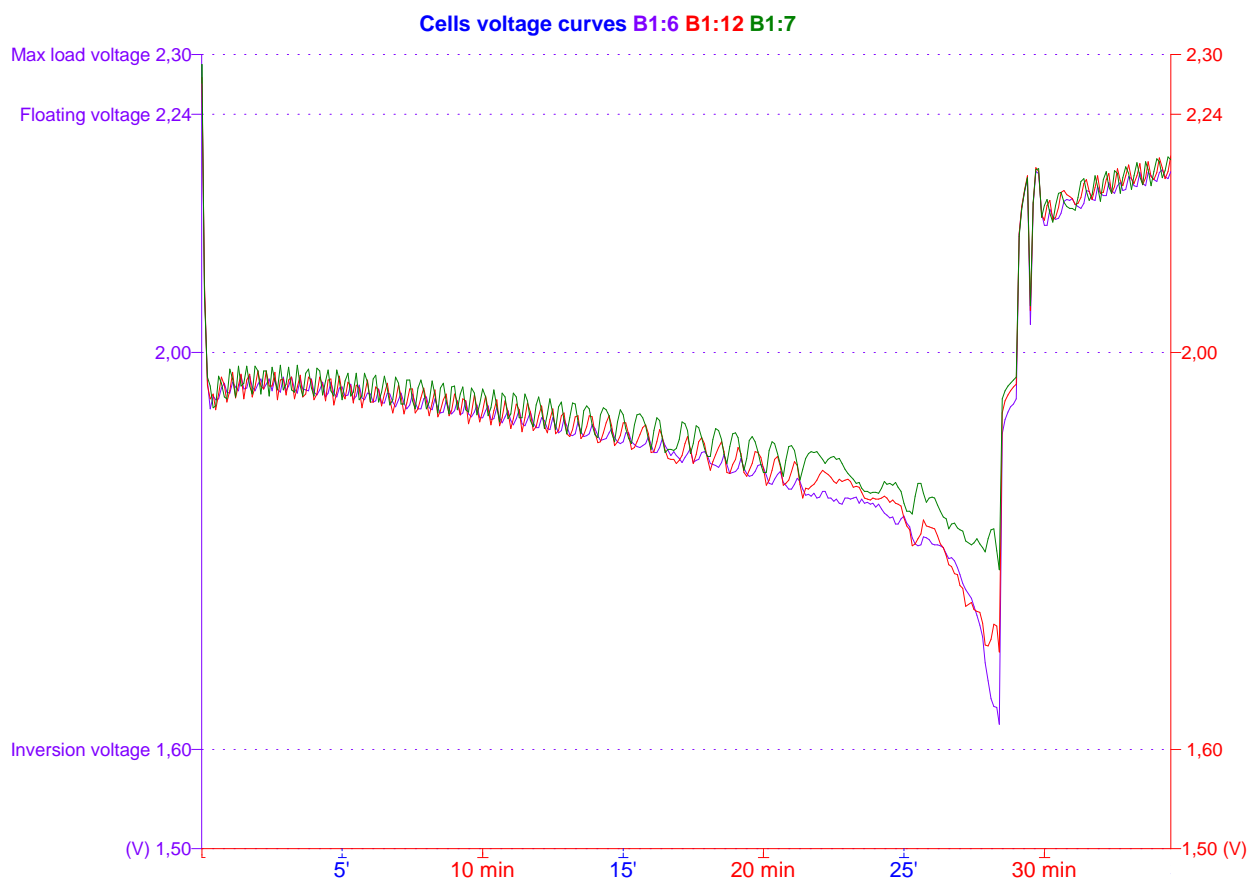
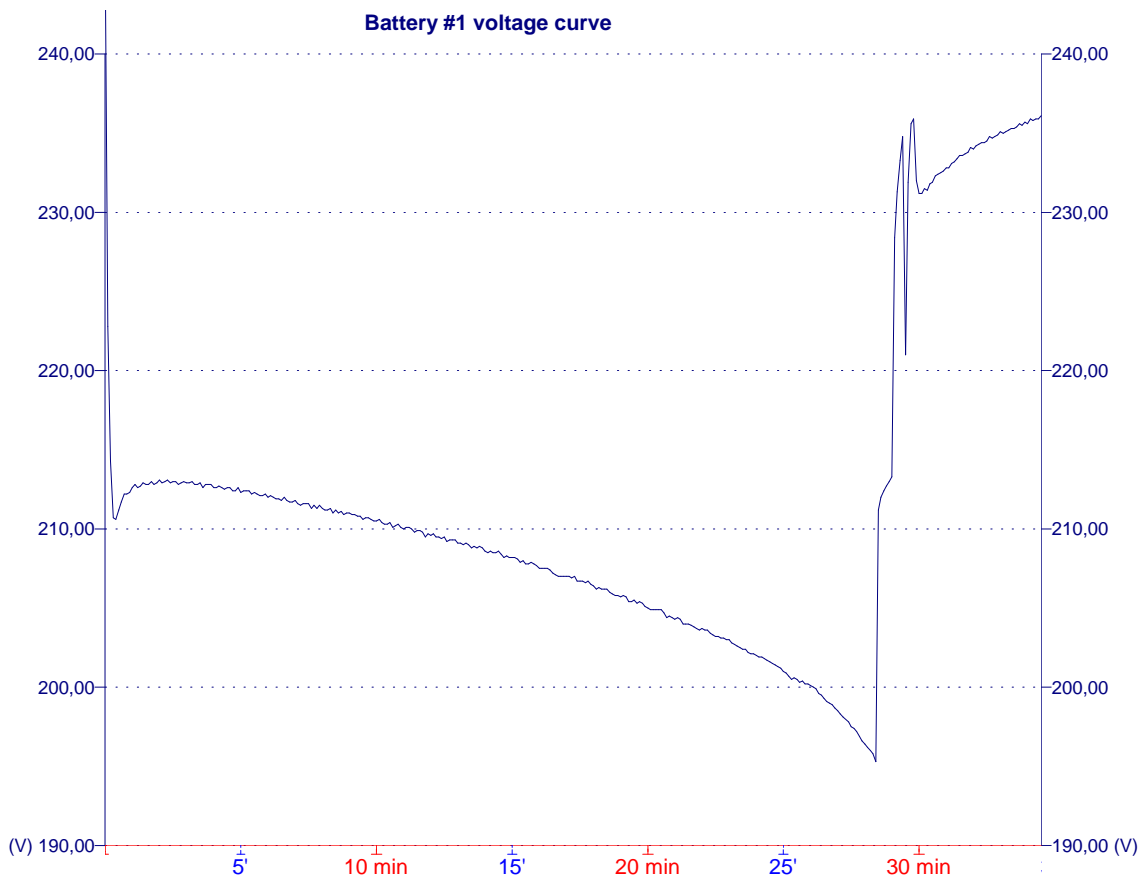
Start on current greater than **100 A**

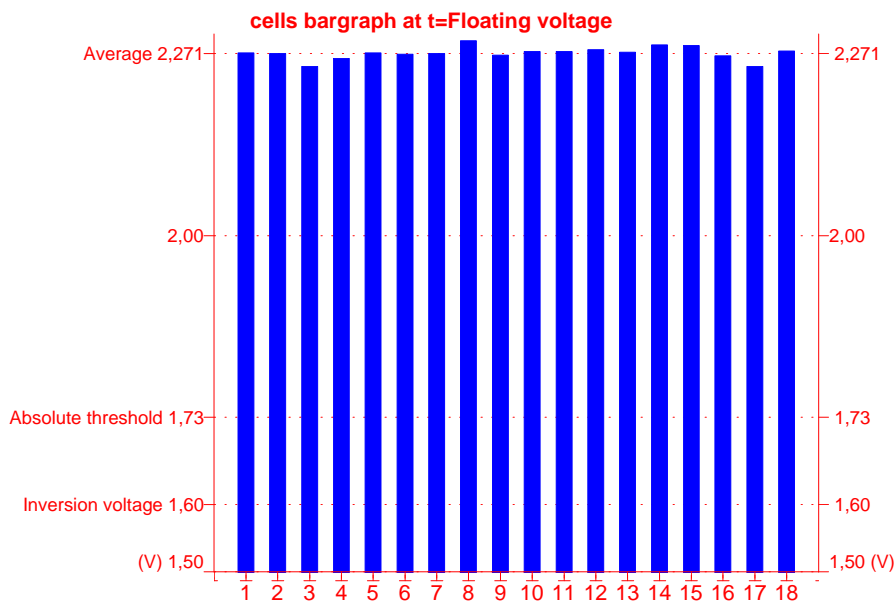
Alarm Stop

- if total voltage is lower than **187,00 V**
- if absolute threshold is lower than **1,73 V**
- if differential threshold is greater than **0 mV**
- if differential threshold is lower than **0 mV**
- if discharge current is greater than **100 A**
- if battery is discharged more than **80 %**
- if aux. input is greater than **0**
- if total duration is equal to **60 min**

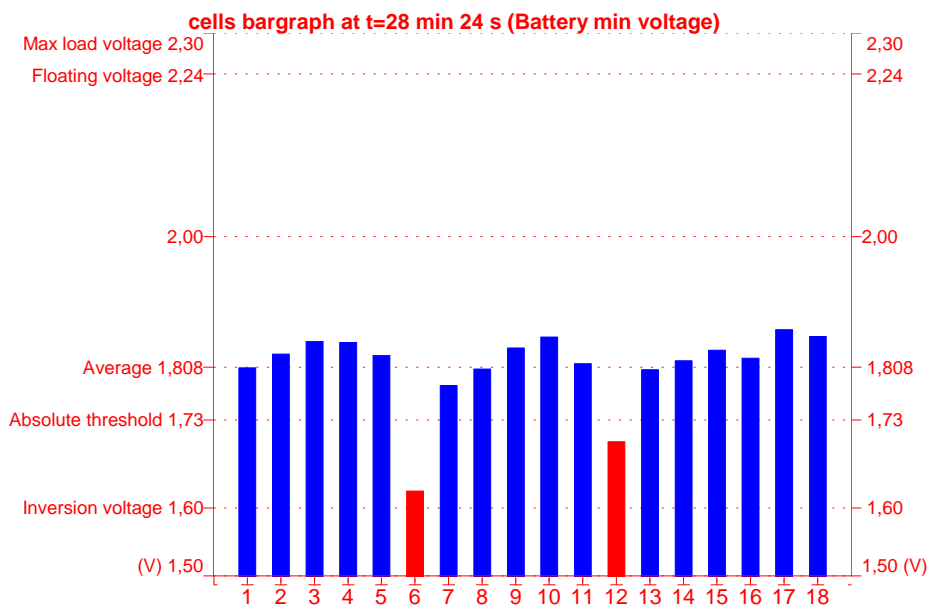
Duration correction according to the temperature

0°C to 15°C : Duration = Duration + 0 min
15°C to 20°C : Duration = Duration + 3 min
20°C to 25°C : Duration = Duration + 8 min
25°C to 30°C : Duration = Duration + 16 min
30°C to 40°C : Duration = Duration + 28 min
> 40°C : Duration = Duration + 45 min





Total duration **34 min 30 s**
 T time **Floating voltage**
 Remaining time **34 min 30 s**
 Total Voltage **245,4 V**
 Current **30,0 A**
 Discharge % **0,0%**
 Ambient T° **999,4°C**
 Electrolyt T° **999,4°C**



Total duration: **34 min 30 s**
 T time: **28 min 24 s**
 Remaining time: **6 min 6 s**
 Total Voltage: **195,3 V**
 Current: **30,0 A**
 Discharge %: **35,5%**
 Ambient T°: **999,4°C**
 Electrolyt T°: **999,4°C**

Numerical values when voltage of battery #1 is minimum

Total duration: **34 min 30 s** Total Voltage: **195,3 V** Ambient T°: **999,4°C**
 T time: **28 min 24 s** Current: **30,0 A** Electrolyt T°: **999,4°C**
 Remaining time: **6 min 6 s** Discharge %: **35,5%**

B1:1	1,807V	B1:4	1,844V	B1:7	1,781V	B1:10	1,852V	B1:13	1,804V	B1:16	1,821V
B1:2	1,827V	B1:5	1,825V	B1:8	1,805V	B1:11	1,813V	B1:14	1,817V	B1:17	1,863V
B1:3	1,846V	B1:6	1,625V	B1:9	1,836V	B1:12	1,698V	B1:15	1,833V	B1:18	1,853V