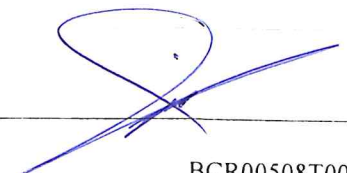


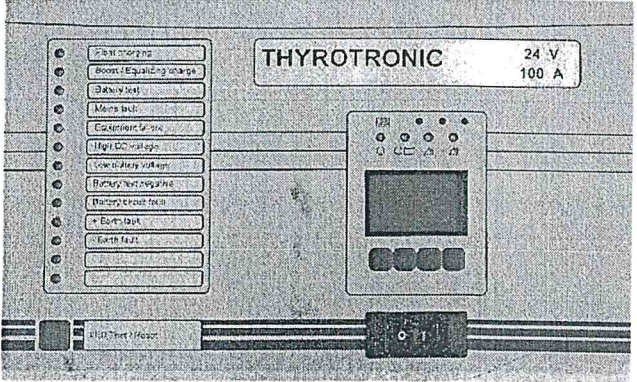


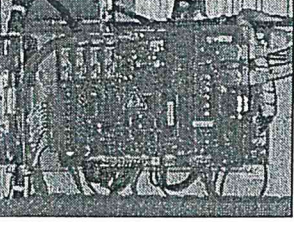
REMARKS:

- Necessary mains fuse: 35 A gL/gG
- A1: Regulator Thysat (part no. 538050; 538054, 538057);
blocking: equalizing charge, boost charging
- A6, A7: DC-voltage monitoring relay GUW101 (part no. 545954+545955)
- A10: Battery symmetry monitor BA9054 (part no. 770137)
- A30: Remote monitoring system MCU1000 (part no. 549959) s. no. 5878199
- A31: Display and operating unit (part no. 548395)
- A33: Relay box MCU SAT (part no. 549832) s. no. 5878064
- A34: Profibus SPI 3 (part no. 744265)
- A300: DC-DC convertor MINI-PS-100-240AC/24DC/2 (part no. 777784)
(input 110-220 V DC, output 24 V DC/2 A) s. no. 3039303062
- K1: Contactor 230 V/50 Hz type A26-30-10 (part no. 757890)
- K11, K12: Contactor 100-250 V DC type AF26-30-10-13 (part no. 611000445)
- V8, V9: Counter cell 220 V $\pm 10\%$ / 75 A, size 4 (part no. 611001209):
max. battery voltage: 279 V
counter cell battery dependently switched in 2 steps
voltage drop: 28,8 V (step 1)
voltage drop: 9,6 V (step 2)
max. load: 70 A
- V10: Decoupling diode 100 A (part no. 712326)
- Battery: 180 NiCd-cells RL120 (part no. 10010820)

sheet 1



8 Components of the rectifier

Description	Picture
<p>A31 Indicator and operating panel</p> <p>Generally, the operating panel offers the following functions:</p> <ul style="list-style-type: none"> ○ Controlling the DC operating modes ○ Performing battery circuit tests with the rectifier by means of the current load connection. ○ Programming the alarms setting, ○ Monitoring the operating state of the charger. <p>Refer to chapter 5 for more detailed data.</p>	
<p>Block-type diode V10</p> <p>For rectifier shunt-connection. Counter-cells V8/V9:</p> <p>For load voltage reduction.</p>	
<p>F7</p> <p>Fuse for semiconductor protection</p> <p>V1 – V6</p>	
<p>A1</p> <p>Thysat controller /rectifier controlling and monitoring</p>	
<p>Terminals X10: Distribution station for DC control and monitoring voltage</p> <p>Terminals X11: Distribution station for digital inputs at the Thysat controller</p>	