LEAB by Micropower Group

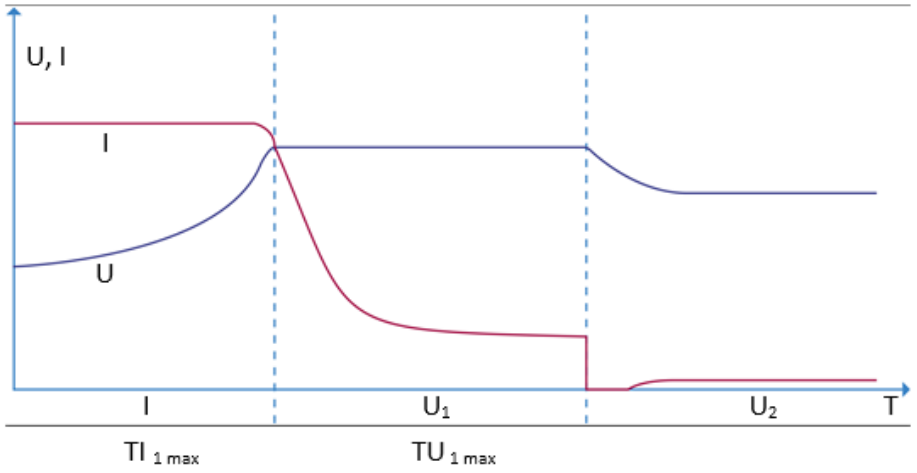
Nr. 317677

Overview of Charging Characteristics BJ221A1

No.	Battery voltage	Battery type	Battery capacity	I_1	U_1	I_2	U_2	I_3	$TI_{1\,max}$	$TU_{1\,max}$	TU_3	Note
0	48 V	FVLA	60 Ah … 100 Ah	20 A	58.8 V	2.5 A	55.2 V	20 A	5 h	6 h	∞	
1	48 V	FVLA	100 Ah … 160 Ah	30 A	58.8 V	4 A	55.2 V	30 A	6 h	7 h	∞	
2	48 V	FVLA	160 Ah … 220 Ah	30 A	58.8 V	5 A	55.2 V	30 A	7 h	8 h	∞	
3	48 V	FVLA	220 Ah … 300 Ah	30 A	58.8 V	7 A	55.2 V	30 A	11 h	5 h	∞	
4	48 V	VRLA	60 Ah … 100 Ah	20 A	57.6 V	1.5 A	54 V	20 A	5 h	6 h	∞	
5	48 V	VRLA	100 Ah … 160 Ah	30 A	57.6 V	2 A	54 V	30 A	6 h	7 h	∞	
6	48 V	VRLA	160 Ah … 220 Ah	30 A	57.6 V	3 A	54 V	30 A	7 h	8 h	∞	
7	48 V	VRLA	220 Ah … 300 Ah	30 A	57.6 V	4 A	54 V	30 A	11 h	5 h	∞	
8	48 V	VRLA	60 Ah … 100 Ah	20 A	57.1 V	1.5 A	54 V	20 A	5 h	6 h	∞	
9	48 V	VRLA	100 Ah … 160 Ah	30 A	57.1 V	2 A	54 V	30 A	6 h	7 h	∞	
A	48 V	VRLA	160 Ah … 220 Ah	30 A	57.1 V	3 A	54 V	30 A	7 h	8 h	∞	
B	48 V	VRLA	220 Ah … 300 Ah	30 A	57.1 V	4 A	54 V	30 A	11 h	5 h	∞	
C	48 V	VRLA	60 Ah … 100 Ah	20 A	56.4 V	1.5 A	54.5 V	20 A	5 h	6 h	∞	
D	48 V	VRLA	100 Ah … 160 Ah	30 A	56.4 V	2 A	54.5 V	30 A	6 h	7 h	∞	
E	48 V	VRLA	160 Ah … 220 Ah	30 A	56.4 V	3 A	54.5 V	30 A	7 h	8 h	∞	
F	48 V	VRLA	220 Ah … 300 Ah	30 A	56.4 V	4 A	54.5 V	30 A	11 h	5 h	∞	

FVLA: open lead-acid batteries, batteries with water refill

VRLA: Valve-regulated lead-acid batteries, maintenance-free wet batteries

Description

1. If a temperature sensor (CTS/TS) is connected and the battery temperature is higher than 45°C, the charging current is reduced to 50%. Only when the battery temperature falls below 40°C again does the charging capacity increase to 100%.
2. If a temperature sensor (CTS/TS) is connected and the battery temperature is higher than 50°C, the charger switches off until the battery temperature is below 45°C.
3. If a temperature sensor (CTS/TS) is connected, the output voltage will be increased by 84 mV per degree if the battery temperature is below 25°C and decreased if the battery temperature is above 25°C.
4. If the time $TI_{1\,max}$ is exceeded, the charger switches off and the red LED flashes.
5. If the time $TU_{1\,max}$ is exceeded, the next charging phase begins automatically.