LEAB
mobile energy

Nr. 317677

Overview of Charging Characteristics BJ214

No.	Battery voltage	Battery type	Battery capacity	I_1	U_1	I_2	U_2	I_3	U_3	$TI_{1\,max}$	$TU_{1\,max}$	Note
0	48 V	FVLA	60 Ah … 100 Ah	20 A	57.6 V	4 A	67.2 V	0.8 A	54 V	5 h	6 h	
1	48 V	FVLA	100 Ah … 160 Ah	30 A	57.6 V	6.6 A	67.2 V	1.4 A	54 V	6 h	7 h	
2	48 V	FVLA	160 Ah … 220 Ah	30 A	57.6 V	9.6 A	67.2 V	2 A	54 V	8 h	9 h	
3	48 V	FVLA	220 Ah … 300 Ah	30 A	57.6 V	13 A	67.2 V	2.6 A	54 V	11 h	2 h	
4	48 V	VRLA	60 Ah … 100 Ah	20 A	56.4 V	1.2 A	64.8 V	0.8 A	54 V	11 h	12 h	
5	48 V	VRLA	100 Ah … 160 Ah	30 A	56.4 V	2 A	64.8 V	1.4 A	54 V	5 h	6 h	
6	48 V	VRLA	160 Ah … 220 Ah	30 A	56.4 V	3 A	64.8 V	2 A	54 V	6 h	7 h	
7	48 V	VRLA	220 Ah … 300 Ah	30 A	56.4 V	4 A	64.8 V	2.6 A	54 V	8 h	9 h	
8	48 V	VRLA*	60 Ah … 100 Ah	20 A	58 V	0.8 A	62.4 V	4 A	54 V	11 h	2 h	
9	48 V	VRLA*	100 Ah … 160 Ah	30 A	58 V	1.4 A	62.4 V	6.6 A	54 V	11 h	12 h	
A	48 V	VRLA*	160 Ah … 220 Ah	30 A	58 V	2 A	62.4 V	9.6 A	54 V	5 h	6 h	
B	48 V	VRLA*	220 Ah … 300 Ah	30 A	58 V	2.6 A	62.4 V	13 A	54 V	6 h	7 h	
C	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	
D	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	
E	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	
0	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	

FVLA: open lead-acid batteries, batteries with water refill
VRLA: Valve-regulated lead-acid batteries, maintenance-free wet batteries
VRLA*: Gel batteries, AGM

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.