

## Overview of Charging Characteristics BJ118B2

No.	Battery voltage	Battery capacity	I <sub>1</sub>	U <sub>1</sub>	I <sub>2</sub>	U <sub>2</sub>	TI <sub>1 max</sub>	TU <sub>1 max</sub>	TU <sub>3</sub>	Note
0	12 V	Power Supply	100 A	14.4 V	3,6 A	---	---	---	---	
1	12 V	Power Supply	90 A	14.4 V	4,8 A	---	---	---	---	
2	12 V	Power Supply	80 A	14.4 V	6,6 A	---	---	---	---	
3	12 V	Power Supply	70 A	14.4 V	8,8 A	---	---	---	---	
4	12 V	Power Supply	60 A	14.4 V	11 A	---	---	---	---	
5	12 V	Power Supply	50 A	14.4 V	1,8 A	---	---	---	---	
6	12 V	Power Supply	40 A	14.4 V	2,4 A	---	---	---	---	
7	12 V	Power Supply	30 A	14.4 V	3,4 A	---	---	---	---	
8	12 V	300 Ah ... 1000 Ah	60 A	2.35 V	---	100 A	10 h	11 h	∞	
9	12 V	270 Ah ... 900 Ah	60 A	2.35 V	---	90 A	10 h	11 h	∞	
A	12 V	240 Ah ... 800 Ah	50 A	2.35 V	---	80 A	10 h	11 h	∞	
B	12 V	210 Ah ... 700 Ah	60 A	2.35 V	---	70 A	10 h	11 h	∞	
C	12 V	180 Ah ... 600 Ah	60 A	2.35 V	---	60 A	10 h	11 h	∞	
D	12 V	150 Ah ... 500 Ah	60 A	2.35 V	---	50 A	10 h	11 h	∞	
E	12 V	90 Ah ... 400 Ah	60 A	2.35 V	---	40 A	10 h	11 h	∞	
F	---	---	---	---	---	---	---	---	---	

**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 21 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<sub>1 max</sub> is exceeded, the charger switches off and the red LED flashes.
5. If the time TU<sub>1 max</sub> is exceeded, the next charging phase begins automatically.

