

Overview of Charging Characteristics BB120B

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
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1	24 V	FVLA	302 Ah ... 363 Ah	60 A	28.8 V	1,7 A	33.6 V	1.4 A	27.2 V	9 h	5 h	∞
2	24 V	FVLA	363 Ah ... 435 Ah	60 A	28.8 V	20 A	33.6 V	1.6 A	27.2 V	9 h	5 h	∞
3	24 V	FVLA	435 Ah ... 519 Ah	60 A	28.8 V	24 A	33.6 V	1.9 A	27.2 V	9 h	5 h	∞
4	24 V	FVLA	519 Ah ... 623 Ah	60 A	28.8 V	28.5 A	33.6 V	2.3 A	27.2 V	9 h	5 h	∞
5	24 V	FVLA	625 Ah ... 660 Ah	60 A	28.8 V	32.3 A	33.6 V	2.7 A	27.2 V	9 h	5 h	∞
6	24 V	VRLA	302 Ah ... 363 Ah	60 A	28.8 V	16.7 A	33.6 V	1.4 A	27.2 V	9 h	5 h	∞
7	24 V	VRLA	363 Ah ... 435 Ah	60 A	28.8 V	20 A	33.6 V	1.6 A	27.2 V	9 h	5 h	∞
8	24 V	VRLA	435 Ah ... 519 Ah	60 A	28.8 V	24 A	33.6 V	1.9 A	27.2 V	9 h	5 h	∞
9	24 V	VRLA	519 Ah ... 623 Ah	60 A	28.8 V	28.5 A	33.6 V	2.3 A	27.2 V	9 h	5 h	∞
A	24 V	VRLA	625 Ah ... 750 Ah	60 A	28.8 V	33.8 A	33.6 V	2.7 A	27.2 V	9 h	5 h	∞
B	24 V	VRLA*	302 Ah ... 363 Ah	60 A	28.2 V	4 A	33.6 V	1.4 A	27.2 V	9 h	7 h	∞
C	24 V	VRLA*	363 Ah ... 435 Ah	52 A	28.2 V	4.8 A	33.6 V	1.6 A	27.2 V	9 h	7 h	∞
D	24 V	VRLA*	435 Ah ... 519 Ah	60 A	28.2 V	5.7 A	33.6 V	1.9 A	27.2 V	9 h	7 h	∞
E	24 V	VRLA*	519 Ah ... 623 Ah	60 A	28.2 V	6.9 A	33.6 V	2.3 A	27.2 V	9 h	7 h	∞
F	24 V	VRLA*	625 Ah ... 750 Ah	60 A	28.2 V	7.7 A	33.6 V	2.7 A	27.2 V	9 h	7 h	∞

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 42 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.

