

Overview of Charging Characteristics B010

No.	Battery voltage	Battery type	Battery capacity	I ₁	U ₁	I ₂	U ₂	I ₃	U ₃	T _{I1 max}	T _{U1 max}	Note
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1	24 V	FVLA	100 Ah ... 119 Ah	30 A	28.8 V	5.5 A	33.6 V	0.5 A	27.12 V	5 h	5 h	∞
2	24 V	FVLA	210 Ah ... 144 Ah	30 A	28.8 V	6.6 A	33.6 V	0.6 A	27.12 V	5 h	5 h	∞
3	24 V	FVLA	145 Ah ... 174 Ah	30 A	28.8 V	8 A	33.6 V	0.8 A	27.12 V	5 h	5 h	∞
4	24 V	FVLA	175 Ah ... 209 Ah	30 A	28.8 V	9.6 A	33.6 V	1 A	27.12 V	9 h	5 h	∞
5	24 V	FVLA	210 Ah ... 249 Ah	30 A	28.8 V	11.5 A	33.6 V	1.2 A	27.12 V	9 h	5 h	∞
6	24 V	FVLA	250 Ah ... 299 Ah	30 A	28.8 V	13.7 A	33.6 V	1.4 A	27.12 V	9 h	5 h	∞
7	24 V	FVLA	300 Ah ... 350 Ah	30 A	28.8 V	16.2 A	33.6 V	1.6 A	27.12 V	9 h	5 h	∞
8	---	---	---	---	---	---	---	---	---	---	---	---
9	24 V	VRLA	300 Ah ... 350 Ah	30 A	28.2 V	3.9 A	33.6 V	1.6 A	27.12 V	9 h	7 h	∞
A	24 V	VRLA	250 Ah ... 299 Ah	30 A	28.2 V	3.3 A	33.6 V	1.4 A	27.12 V	9 h	7 h	∞
B	24 V	VRLA	210 Ah ... 249 Ah	30 A	28.2 V	2.75 A	33.6 V	1.2 A	27.12 V	9 h	7 h	∞
C	24 V	VRLA	175 Ah ... 209 Ah	30 A	28.2 V	2.3 A	33.6 V	1 A	27.12 V	6 h	7 h	∞
D	24 V	VRLA	145 Ah ... 174 Ah	25 A	28.2 V	1.9 A	33.6 V	0.8 A	27.12 V	6 h	7 h	∞
E	24 V	VRLA	120 Ah ... 144 Ah	21 A	28.2 V	1,58 A	33.6 V	0.6 A	27.12 V	6 h	7 h	∞
F	24 V	VRLA	100 Ah ... 119 Ah	17 A	28.2 V	1.32 A	33.6 V	0.5 A	27.12 V	6 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 T_{I1 max} is exceeded, the charger switches off and the red LED flashes.
5. If the time T_{U1 max} is exceeded, the next charging phase begins automatically.

