

Overview of Charging Characteristics M308B

No.	Battery voltage	Battery type	Battery capacity	I ₁	U ₁	I ₂	U ₂	I ₃	U ₃	T _{I1 max}	TU _{2 max}	T	Note
0	36 V	FVLA	Power Supply	20 A	43.2 V		---		---	---	---	∞	
1	36 V	FVLA	50 Ah ... 64 Ah	15 A	43.2 V	2.9 A	50.4 V	0.5 A	40.7 V	9 h	5 h	---	
2	36 V	FVLA	65 Ah ... 84 Ah	17 A	43.2 V	3.7 A	50.4 V	0.6 A	40.7 V	9 h	5 h	---	
3	36 V	FVLA	85 Ah ... 104 Ah	20 A	43.2 V	4.8 A	50.4 V	0.8 A	40.7 V	9 h	5 h	---	
4	36 V	FVLA	105 Ah ... 124 Ah	20 A	43.2 V	5.8 A	50.4 V	1 A	40.7 V	9 h	5 h	---	
5	36 V	FVLA	125 Ah ... 150 Ah	20 A	43.2 V	6.9 A	50.4 V	1.2 A	40.7 V	9 h	5 h	---	
6	36 V	FVLA	151 Ah ... 180 Ah	20 A	43.2 V	8.3 A	50.4 V	1.2 A	40.7 V	9 h	5 h	---	
7	36 V	FVLA	181 Ah ... 216 Ah	20 A	43.2 V	9.9 A	50.4 V	1.2 A	40.7 V	9 h	5 h	---	
8	36 V	VRLA	Power Supply	20 A	42.3 V		---		---	---	---	∞	
9	36 V	VRLA	181 Ah ... 216 Ah	20 A	42.3 V	2.3 A	50.4 V	1 A	40.7 V	9 h	7 h	---	
A	36 V	VRLA	151 Ah ... 180 Ah	20 A	42.3 V	1.9 A	50.4 V	1 A	40.7 V	9 h	7 h	---	
B	36 V	VRLA	125 Ah ... 150 Ah	20 A	42.3 V	1.6 A	50.4 V	1 A	40.7 V	9 h	7 h	---	
C	36 V	VRLA	105 Ah ... 124 Ah	17 A	42.3 V	1.4 A	50.4 V	0.8 A	40.7 V	9 h	7 h	---	
D	36 V	VRLA	90 Ah ... 104 Ah	15 A	42.3 V	1.2 A	50.4 V	0.7 A	40.7 V	9 h	7 h	---	
E	36 V	VRLA	75 Ah ... 89 Ah	13 A	42.3 V	1 A	50.4 V	0.6 A	40.7 V	9 h	7 h	---	
F	36 V	VRLA	60 Ah ... 74 Ah	11 A	42.3 V	0.8 A	50.4 V	0.5 A	40.7 V	9 h	7 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 63 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_{U2 max} is exceeded, the next charging phase begins automatically.

