



Overview of Charging Characteristics M308B

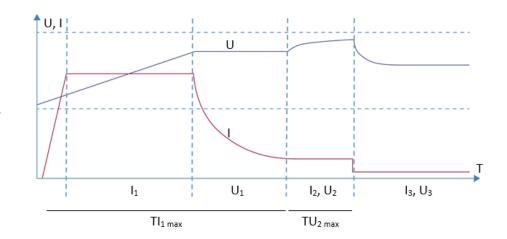
No.	Battery voltage	Battery type	Battery capacity	l ₁	U ₁	l ₂	U ₂	l ₃	U₃	TI _{1 max}	TU _{2 max}	Т	Note
0	36 V	FVLA	Power Supply	20 A	43.2 V							8	
1	36 V	FVLA	50 Ah 64 Ah	15 A	43.2 V	2.9 A	50.4 V	0.5 A	40.7 V	9 h	5 h		
2	36 V	FVLA	65 Ah 84 Ah	17 A	43.2 V	3.7 A	50.4 V	0.6 A	40.7 V	9 h	5 h		
3	36 V	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							8	
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		
Α	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		
В	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		
С	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		
Ε	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 $TI_{1 \text{ max}}$ is exceeded, the charger switches off and the red LED flashes.
- 5. If the time $TU_{2\,max}$ is exceeded, the next charging phase begins automatically.



Charging characteristic data sheet

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