

Overview of Charging Characteristics BL2401A4

No.	Battery voltage	Battery type	Battery capacity	I ₁	U ₁	I ₂	I ₃	U ₃	TU _{1 max}	TU ₃	Note
0	11.1 V	LiPo	120 Ah	30 A	12.55 V	0,8 A	0 A	0 A	7 h	---	1 Akku
1	11.1 V	LiPo	240 Ah	60 A	12.55 V	1,6 A	0 A	0 A	7 h	---	2 Akkus
2	11.1 V	LiPo	360 Ah	60 A	12.55 V	2,4 A	0 A	0 A	10 h	---	3 Akkus
3	11.1 V	LiPo	480 Ah	60 A	12.55 V	3,2 A	0 A	0 A	13 h	---	4 Akkus
4	11.1 V	LiPo	600 Ah	60 A	12.55 V	4 A	0 A	0 A	15 h	---	5 Akkus
5	---	---	---	---	---	---	---	---	---	---	
6	---	---	---	---	---	---	---	---	---	---	
7	---	---	---	---	---	---	---	---	---	---	
8	---	---	---	---	---	---	---	---	---	---	
9	---	---	---	---	---	---	---	---	---	---	
A	---	---	---	---	---	---	---	---	---	---	
B	---	---	---	---	---	---	---	---	---	---	
C	---	---	---	---	---	---	---	---	---	---	
D	---	---	---	---	---	---	---	---	---	---	
E	---	---	---	---	---	---	---	---	---	---	
F	---	---	---	---	---	---	---	---	---	---	

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 $T_{I1\ max}$ 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.

