



Datasheet

LT-7SLZA6335

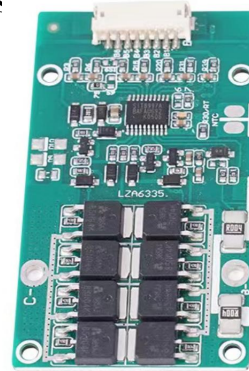
This Data sheet is for Lichtronics 24V 7S 10A 15A 20A NMC PCM/BMS

I. Application

- (1) NMC 3.7V Cylindrical
- (2) NMC 3.6V Li-po

II. Size

63*35*8.0mm

III. Specification $T_{opt}=25^{\circ}\text{C}$

No.	Tested Item		Criterion		
1	Voltage	Charging Voltage	DC:29.4-30V CC/CV		
		Blance Volatage for single cell	4.125V		
2	Current	Blance Current for single cell	50±5 mA		
		Current consumption	≤30μA		
		Max continuous charging current	10A	15A	20A
		Max continuous discharging current	10A	15A	20A
3	Over Charge Protection	Over charge detection voltage	4.25±0.05V		
		Over charge detection delay time	300-500ms		
		Over charge release voltage	4.1±0.05V		
4	Over Discharge Protection	Over discharge detection voltage	2.8±0.08V		
		Over discharge detection delay time	1-100ms		
		Over discharge release voltage	3.0±0.10V		
5	Over Current Protection	Over current detection voltage	75±5mV		
		Over current detection current	20A	30A	40A
		Release condition	Cut load		
		Over current detection delay time	1-40ms		
6	Short Circuit Protection	Detection condition	Exterior short circuit		
		Release condition	Cut short circuit		
		Short circuit detection delay time	300us		
7	Temperature Protection	Temperature Protection	Discharge: 70℃ cutoff		
			Charge: 50℃ cutoff		
8	Interior Resistance	Main loop electrify resistance	$V_C=4.2V, R_{DS} \leq 60m\Omega$		
9	Temperature	Operating Temperature	-45℃ -- +65℃		
		Storage Temperature	-45℃ -- +85℃		

IV. Wire Instruction

