

Datasheet

This Data sheet is for Lichtronics 36V **10S20A NMC** PCM/BMS

I . Application

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



II . Size

62*45*10.0mm

III. Specification T_{opt}=25℃

No.	Tested Item		Criterion
1	Voltage	Charging Voltage	DC:42V CC/CV
		Blance Volatage for single cell	4.1V
2	Current	Blance Current for single cell	40±20 mA
		Current consumption	≤30μA
		Max continuous charging current	20A
		Max continuous discharging current	20A
3	Over Charge Protection	Over charge detection voltage	4.25±0.03V
		Over charge detection delay time	<1000ms
		Over charge release voltage	4.15±0.05V
4	Over Discharge Protection	Over discharge detection voltage	2.7±0.08V
		Over discharge detection delay time	1400ms
		Over discharge release voltage	3.0±0.08V
5	Over Current Protection	Over current detection current (discharging)	20A±3A
		Over current detection current (discharging)	40A±3A
		Release condition	Cut load
		Over current detection delay time	<1300ms
6	Short Circuit Protection	Detection condition (120A)	Exterior short circuit
		Release condition	Cut short circuit
		Short circuit detection delay time	300us
7	Temperature Protection	Temperature Protection	Charging 50℃
			Discharging 70℃
8	Interior Resistance	Main loop electrify resistance	VC=4.2V,R _{DS} ≤60mΩ
9	Temperature	Operating Temperature	-45℃ -- +65℃
		Storage Temperature	-45℃ -- +85℃

IV. Wire Instruction

