



AYAA TECHNOLOGY CO.,LTD
PCM Specifications

Model: PCM-LB21S100A-AY316 (LI-20S100A)

ver: A

Test item (Test at normal temperature 25±2℃)		Criterion
Voltage	Charging voltage	DC: 84V CC/CV (4.2v/Cell) 20s
Supply Current	Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD > Sleep Current	≤50uA
	Maximal continuous charging current	100A
	Maximal continuous discharging current	100A
	Balance current for single cell	42±10mA
Over-charge Protection (single cell)	Balance voltage for single cell	4.2V±0.05V
	Over charge detection voltage	4.25±0.05V
	Over charge detection delay time	0.5S—2S
	Over charge release voltage	4.10±0.1V
Over discharge protection (single cell)	Over discharge detection voltage	2.8±0.05V
	Over discharge detection delay time	500~1500mS
	Over discharge release voltage	3.00±0.1V
Over current protection	Over charge current detection current 过充电流保护电流	120±20A
	Detection delay time 检测延迟时间	300~800mS
	Over discharge current detection 过放电流保护	300±50A
	Detection delay time1 检测延迟时间1	50~150mS
	Detection delay time2 检测延迟时间2	5~15mS
Short protection	Release condition	Cut load, Auto Recovery
	Detection condition	Exterior short circuit
	Detection delay time	300~800mS
Resistance	Main loop electrify resistance	≤20mΩ
Temperature	Charging high temperature protection 充电高温保护	50±5℃
	Charging low temperature protection 充电低温保护	0±5℃
	Discharge high temperature protection 放电高温保护	70±5℃
	Discharge low temperature protection 放电低温保护	-20±5℃
	Operating Temperature Range	-20~+70℃
	Storage Temperature Range	0~+60℃

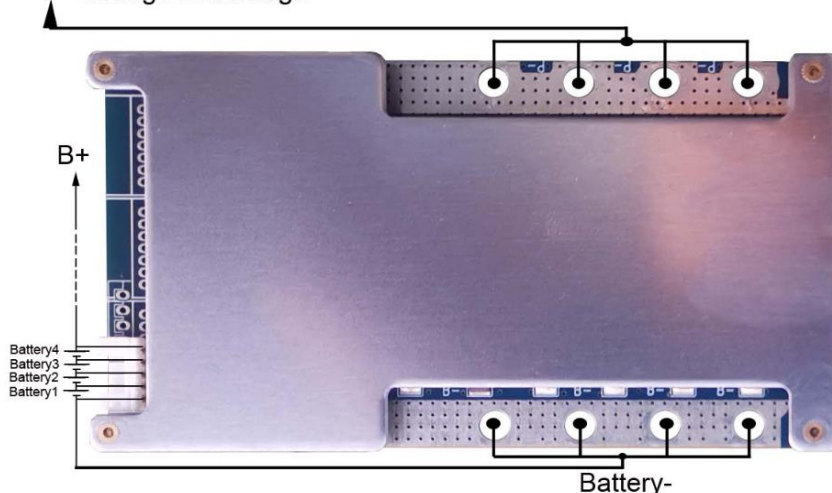
SIZE: L120*W65*T16 mm

NTC: 10K NTC/ 65℃ Temperature switch: / (the batteries temperature) Weak current switch: / Activation Method: /

P+=B+=Charge+/Discharge+

P-=Charge-/Discharge-

Size:L120*W65*10mm



Prepared: Emily 2021-4-29

Checked:

Form number: AY-ENBG-007A0

Approved: