



AYAA TECHNOLOGY CO.,LTD
PCM Specifications

Model: PCM-LB4S50A-AY196 (LI-4S35A)

Test item (Test at normal temperature 25±2℃)		Criterion
Voltage	Charging voltage	DC: 16.8V CC/CV (4.2v/Cell) 4s
Supply Current	Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD > Sleep Current	≤30uA
	Maximal continuous charging current	35A
	Maximal continuous discharging current	35A
	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	4.05±0.1V
Over discharge protection (single cell)	Over discharge detection voltage	2.8±0.05V
	Over discharge detection delay time	10—200mS
	Over discharge release voltage	3.0±0.1V
Current protection (Battery pack)	ChargeOver current detection current	/
	Detection delay time	/
	Discharge Over current detection current	70±10A
	Detection delay time	5ms—20ms
	Release condition	Cut load, Auto Recovery
Short protection	Detection condition	Exterior short circuit
	Detection delay time	200-600us
	Release condition	Cut load
Resistance	Main loop electrify resistance	≤50mΩ
Temperature	high temperature discharge protection	60℃
	Discharge temperature detection delay time	2s
	high temperature discharge recover protection	65℃
	Operating Temperature Range	-40~+85℃
	Storage Temperature Range	-40~+125℃

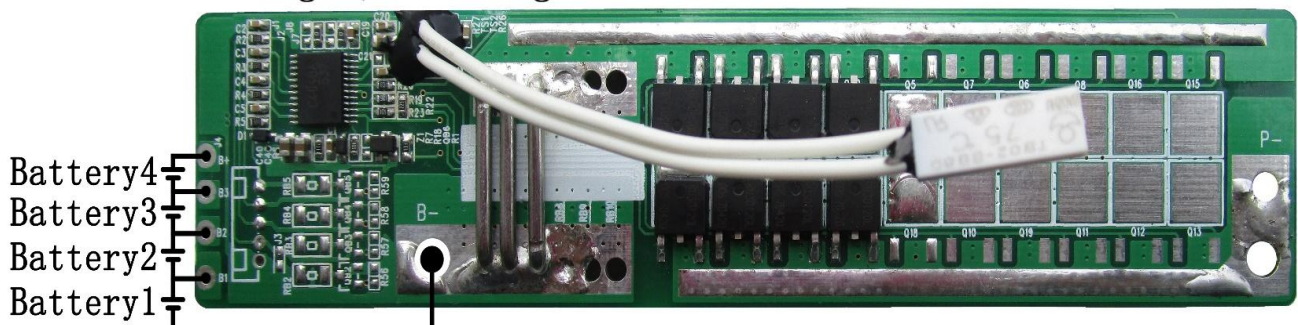
SIZE: L136*W32*T5 mm

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

P+=B+=Charge+/Discharge+

Size:L136*W32*T5mm

P-=Charge-/Discharge-



Prepared: Hardy 2017-9-13

Checked:

Approved:

1，因使用的是康铜丝，所以过流值由100改为150A. 其它不变。

IC:R5402N101KD+A0D403*6