



AYAA TECHNOLOGY CO.,LTD
PCM Specifications

Model: PCM-LX16S35A-AY215 (LI-12S50A)

ver: A

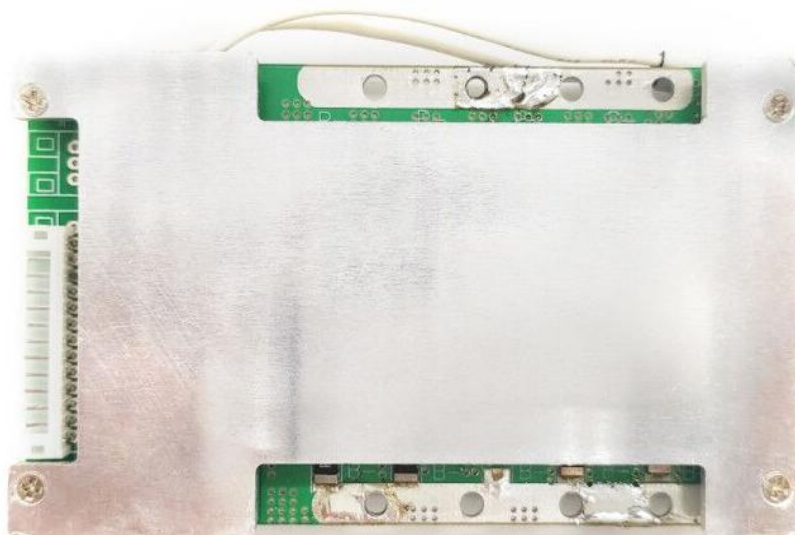
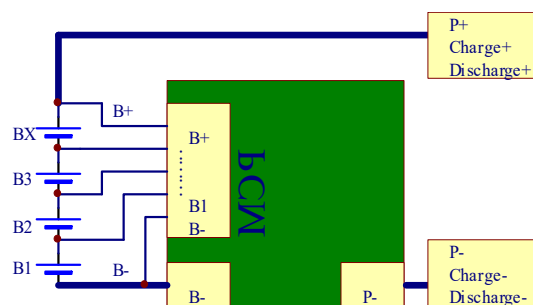
Test item (Test at normal temperature 25±2℃)		Criterion
Voltage	Charging voltage	DC: 50.4V CC/CV (4.2v/Cell) 12s
Capacity	Designing battery capacity (PCM)	/mAh
Supply Current	Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD > Sleep Current	≤50uA
	Maximal continuous charging current	50A
	Maximal continuous discharging current	50A
Over-charge Protection (single cell)	Over charge detection voltage	4.25±0.05V
	Over charge detection delay time	0.5S—2S
	Over charge release voltage	4.1±0.1V
Over discharge protection (single cell)	Over discharge detection voltage	2.8±0.05V
	Over discharge detection delay time	0.5S—2S
	Over discharge release voltage	3.0±0.1V
Current protection (Battery pack)	ChargeOver current detection current	/
	Detection delay time	/
	Discharge Over current detection current	150±30A
	Detection delay time	5ms—50ms
	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	≤ 30mΩ
Temperature	high temperature discharge protection	65℃
	Operating Temperature Range	-40~+85℃
	Storage Temperature Range	-40~+125℃

SIZE: L100*W58*T13 mm

NTC: / Temperature switch: 65℃ Weak current switch: / Activation Method:/

P+=B+=Charge+/Discharge+

P-=Charge-=Discharge-



Prepared: Emily 2020-5-12

Checked:

Approved: