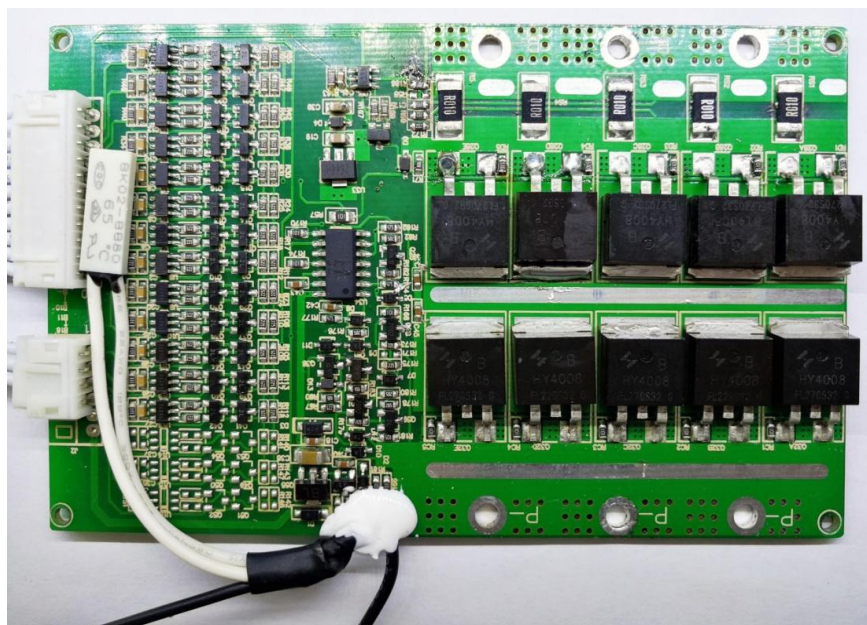




AYAA TECHNOLOGY CO.,LTD

PCM Specifications

Model: PCM-LB16S30A-AY087-LB16S30A		ver: A
Test item (Test at normal temperature 25±2℃)		Criterion
Voltage	Charging voltage	DC: 67.2V CC/CV (4.2v/Cell) 16S
Supply Current	Normal operating mode Self consumption current ※	≤ 50uA
	Maximal continuous charging current	30A
	Maximal continuous discharging current	30A
	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 ※	4.28±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 ※	3.0±0.05V
	Over discharge detection delay time ※	10—200mS
	Over discharge release voltage	3.2±0.1V
Current protection (Battery pack)	Discharge Over current detection current ※	120±20A
	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±3℃
	Operating Temperature Range	-40~+85℃
	Storage Temperature Range	-40~+125℃
SIZE: L105*W65*T10 mm		
NTC: / Temperature switch: 65℃ (the batteries temperature) Weak current switch: YES Activation Method:/		



Note:

- 1,The connection diagram for reference.May have a little difference with the real model. When you prepare assembly, you can double check the connection plan with us firstly!
- 2,When using this product, anti-static measures must be prepared! Connect to the battery as shown on the right !
- 3,Please avoid mechanical damage protection PCM ! And use PCM within specifications !
- 4, Note that the use of lead, iron, tin slag, etc. Do not touch the circuit board, may damage the circuit PCM !
- 5,If something goes wrong, please contact us!
- 6,※ Denotes the required test items. ☆denotes sampling test.The unsigned ones are the reference items!

Prepared: Emily 2020-7-10

Checked:

Approved:

Form number: AY-ENBG-007A0